

Academic Session 2025-2027

Rules of Intermediate Examinations & Scheme of Studies (11th & 12th)



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قواعد وضوابط

برائے

امتحانات [[اور يارك [انثر ميدٌ يك يارك

سیکرٹری تعلیمات / کنٹر ولنگ اتھارٹی بورڈز (حکومت پنجاب) کی طرف سے جاری کردہ چٹھی نمبر-13 (18.09.2015 تحت میں اعلائی مور نیہ 2014 (18.09.2015 ور پنجاب بورڈز کمیٹی آف چیئر مین کے اجلاس منعقدہ 24 دستبر 2014 کی شخ پر پر کمٹیکل کی گریڈنگ کو ختم کر کے دوبارہ پر کمٹیکل کے نمبر بحال کر دیے گئے ہیں (جس کی تفصیل بورڈ کی جانب سے جاری کیے گئے نوٹیکشٹن نمبر 2015/2 مور نیہ 2015.2018) پر موجود ہے۔ نیز حکومت کی پنجاب چیف منسٹر ز مائیٹرنگ فورس سکول ایجو کمشن کی طرف سے سینڈری سکول کی سطح پر ڈینگی سے متعلق نمبم جماعت میں بیالوجی اور جزل سائنس جبکہ جماعت کر دی سے متعلق مختصر سوال مطالعہ پاکستان کے پرچہ میں دیئے جائیں گے۔ اسی طرح انٹر میڈیٹ کی سطح پر دہشت گر دی سے متعلق موال مطالعہ پاکستان میں دیئے جائیں گے۔ اسی طرح انٹر میڈیٹ کی سطح پر دہشت گر دی سے متعلق موال مطالعہ پاکستان میں دیئے جائیں گے۔ اسی طرح انٹر میڈیٹ کی سطح پر دہشت گر دی جائیں گے۔ اس سیم کا اطلاق اکیڈ مک سیشن 17-2015 سے ہو گا۔ اس سیم کے تحت گیار ہویں جماعت سالانہ امتحان 2016ء وہاء بعد لیا جائے گا۔ گیار ہویں جماعت اور بار ہویں جماعت کے اگے صفحات پر جائیں گے۔ اس سیم کا اطلاق اکیڈ مک سیشن 17-2015 سے ہو گا۔ اس سیم کے تحت گیار ہویں جماعت سالانہ امتحان 2016ء وہاء بعد لیا جائے گا۔ گیار ہویں جماعت اور بار ہویں جماعت کے اگے صفحات پر جائے گا۔ گیار ہویں جماعت اور بار ہویں جماعت کے اگے صفحات کے لیے مضامین / پرچہ جات اور نمبروں کی تقسیم کتاب کے اگلے صفحات پر جائے گا۔ گیار ہویں جماعت اور بار ہویں جماعت کے امتحان تھی کے مطابق ہوگی۔

SCHEME OF STUDIES FOR INTERMEDIATE EXAMINATIONS UNDER PART SYSTEM FOR SESSION 2016-18 & ONWARD

Punjab Boards of Intermediate and secondary Education, offer qualifications for both English and Urdu medium candidates for Intermediate / Higher Secondary School Certificate (HSSC) level education. The revised Intermediate / HSSC Scheme of Studies issued by the Curriculum Wing will be implemented from Session 2012-2014 and onward. Accordingly, each Intermediate / HSSC subject will be taught across both the Classes XI & XII. Punjab Curriculum & Textbook Board Introducing new subject "Translation of Holy Quran vide letter No. M-48-58-A/PSMD/2022 dated 28.07.2022. The marks and groups allocated to the subjects in the revised Scheme of Studies are as follows:

PRE - MEDICAL GROUP

Sr.#	Code	Subject	Part-I	Part-II	Practical
1.	6002	Urdu /	100	100	
	6006	Pakistani Culture (for Foreign Students only)			
2.	6001	English	100	100	
3.	6092	Islamic Education OR	50		
		Religious Education (for Non Muslims)			
4.	6093	Translation of the Holy Quran OR	50	50	
	35	Ethics (for Non Muslims)			
5.	6091	Pakistan Studies		50	
6.	6046	Biology	85	85	30
7.	6047	Physics	85	85	30
8.	6048	Chemistry	85	85	30
			555	555	90
	Total Marks: 1200				

PRE - ENGINEERING GROUP

Sr. #	Code	Subject	Part-I	Part-II	Practical
1.	6002	Urdu /	100	100	
	6006	Pakistani Culture (for Foreign Students only)			
2.	6001	English	100	100	
3.	6092	Islamic Education OR	50		
		Religious Education (for Non Muslims)			
4.	6093	Translation of the Holy Quran OR	50	50	
	35	Ethics (for Non Muslims)			
5.	6091	Pakistan Studies		50	
6.	6046	Mathematics	100	100	
7.	6047	Physics	85	85	30
8.	6048	Chemistry	85	85	30
			570	570	60
		Total Marks:		1200	

GENERAL SCIENCE GROUP

Sr.#	Code	Subject	Part-I	Part-II	Practical
1.	6002	Urdu /	100	100	
	6006	Pakistani Culture(for Foreign Students only)			
2.	6001	English	100	100	
3.	6092	Islamic Education OR	50		
		Religious Education (for Non Muslims)			
4.	6093	Translation of the Holy Quran OR	50	50	
	35	Ethics (for Non Muslims)			
5.	6091	Pakistan Studies		50	
6.		Physics+Mathematics+Statistics	85+100+85	85+100+85	60
		Mathematics+Economics+Statistics	100+100+85	100+100+85	30
		Economics+Mathematics+Computer Science	100+100+75	100+100+75	50
		Mathematics+Statistics+Computer Science	100+85+75	100+85+75	80
		Mathematics+Physics+Computer Science	100+85+75	100+85+75	80
		(CHOOSE ANY ONE COMBINATION)			
		Total Marks:		1200	

COMMRECE GROUP

Sr.#	Code	Subject	Part-I	Part-II	Practical	
1.	6002	Urdu /	100	100		
	6006	Pakistani Culture (for Foreign Students only)				
2.	6001	English	100	100		
3.	6092	Islamic Education OR	50			
		Religious Education (for Non Muslims)				
4.	6093 35	Translation of the Holy Quran OR Ethics (for Non Muslims)	50	50		
5.	6091	Pakistan Studies		50		
6.	6070	Principles of Accounting	100	100		
7.	6054	Principles of Economics	75			
		Commercial Geography in Part-II		75		
8.	6058	Principles of Commerce with Banking in Part-II OR	75	75		
	6095	Principles of Commerce with Computer Studies in Part-II	75	50	25	
9.	6064	Business Mathematics	50			
		Statistics in Part-II		50		
	Total Marks: 1200					

ISLAMIC STUDIES GROUP

Sr#	Code	Subject	Part-I	Part-II
1.	6002	Urdu /	100	100
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	100
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.	6093 35	Translation of the Holy Quran OR Ethics (for Non Muslims)	50	50
4.	6091	Pakistan Studies		50
5.	6024	Arabic	100	100
6.	6025	Islamic Studies (Fiqh and Usul-e-Fiqh)	100	100
7.	6082	Islamic History and Culture with Option-I (The Political & Cultural History of Islam from the beginning of Abbasies to falls of Baghdad) in Part-II. OR	100	100
	6081	Islamic History and Culture with Option-II (The Cultural system of Islam) in Part-II.		
			600	600
		Total Marks:	1:	200

HOME ECONOMICS GROUP CLASS-XI (PART-I)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.		Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
5.	6073	Biology	35	15
6.	6074	Chemistry	35	15
7.	6076	Home Management	85	15
8.	6075	Clothing & Textile	85	15
		Total Marks:	6	600

HOME ECONOMICS GROUP CLASS-XII (PART-II)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6091	Pakistan Studies	50	
4.	6093 35	Translation of the Holy Quran OR Ethics (for Non Muslims)	50	
5.	6072	Applied Art	85	15
6.	6077	Food & Nutrition	85	15
7.	6078	Child Development and Family Living	85	15
		Total Marks:	60	00

HUMANITIES GROUP

Sr#	Code	Subject	Part-I	Part-II
1.	6002	Urdu / Pakistani Culture	100	100
	6006	(for Foreign Students only)		
2.	6001	English	100	100
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.	6093	Translation of the Holy Quran OR	50	50
	35	Ethics (for Non Muslims)		
5.	6091	Pakistan Studies		50
		Choose Three Elective Subjects	100+100+100	100+100+100
		(From the List of Elective Subjects)		
			600	600
		Total Marks:	1	200

* MEDICAL TECHNOLOGY GROUP

* MEDICAL LABORATORY TECHNOLOGY - CLASS-XI (PART-I)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Elementary Anatomy and Micro Techniques	50	50
		Microbiology-I	50	50
		Elementary Chemistry and Chemical Pathology	50	50
		Total Marks:	60	0

* MEDICAL LABORATORY TECHNOLOGY - CLASS-XII (PART-II)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6091	Pakistan Studies	50	
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Hematology and Blood Banking	50	50
		Microbiology-II	50	50
		Clinical Pathology and Serology	50	50
		Total Marks:	60	0

* MEDICAL IMAGING TECHNOLOGY - CLASS-XI (PART-I)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Radiographic Techniques-I	100	50
		Total Marks:	60	0

* MEDICAL IMAGING TECHNOLOGY - CLASS-XII (PART-II)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6091	Pakistan Studies	50	
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Radiographic Techniques-II	100	50
	•	Total Marks:	60	0

* OPERATION THEATRE TECHNOLOGY - CLASS-XI (PART-I)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Operation Theatre Techniques-I	100	50
		Total Marks:	60	0

* OPERATION THEATRE TECHNOLOGY - CLASS-XII (PART-II)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6091	Pakistan Studies	50	
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Operation Theatre Techniques-II	100	50
	•	Total Marks:	60	0

* OPHTHALMIC TECHNOLOGY - CLASS-XI (PART-I)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Ophthalmic Techniques-I	100	50
	•	Total Marks:	60	0

* OPHTHALMIC TECHNOLOGY - CLASS-XII (PART-II)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6091	Pakistan Studies	50	
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Ophthalmic Techniques-II	100	50
		Total Marks:	60	0

* PHYSIOTHERAPY TECHNOLOGY - CLASS-XI (PART-I)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Physiotherapy Techniques-I	100	50
	•	Total Marks:	60	0

* PHYSIOTHERAPY TECHNOLOGY - CLASS-XII (PART-II)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6091	Pakistan Studies	50	
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Physiotherapy Techniques-II	100	50
		Total Marks:	60	0

* DENTAL HYGIENE - CLASS-XI (PART-I)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6092	Islamic Education OR	50	
		Religious Education (for Non Muslims)		
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Dental Hygiene-I	100	50
	•	Total Marks:	60	0

* DENTAL HYGIENE - CLASS-XII (PART-II)

Sr.#	Code	Subject	Theory	Practical
1.	6002	Urdu /	100	
	6006	Pakistani Culture (for Foreign Students only)		
2.	6001	English	100	
3.	6091	Pakistan Studies	50	
4.	6093	Translation of the Holy Quran OR	50	
	35	Ethics (for Non Muslims)		
		Basic Medical Sciences	50	25
		Applied Sciences	50	25
		Dental Hygiene-II	100	50
		Total Marks:	60	0

*Syllabus is not yet available

LIST OF ELECTIVE SUBJECTS FOR (CLASSES XI & XII)

Sr#	Code	<u>Subjects</u>
1.	6015	History(Opt one only from the following History Subjects) History of Modern World
2.	6031	History of Islam Banu Ummayyah with (Muslim in Spain) in Part-II
	6007	History of Islam Banu Ummaya with (Abbasi of Baghdad) in Part-II
3.	6009	History of Muslim India
4.	6010	History of Pakistan
5.	6011	Economics
6.	6012	Geography (Marks: Th-I-85+ Th-II-85+Pra-30=200)
7.	6014	Philosophy
8.	6016	Psychology (Marks: Th-I-85+ Th-II-85+Pra-30=200)
9.	6017	Civics
10.	6018	Statistics (Marks: Th-I-85+ Th-II-85+Pra-30=200)
11.	6019	Mathematics
12.	6020	Islamic Studies
13.	6021	Outlines of Home Economics (Marks: Th-I-85+ Th-II-85+Pra-30=200)
14.	6023	Fine Arts (Marks: Th-I-40+ Th-II-40+Pra-120=200)
15.	6024	Arabic/
	6034	Persian/
	6032	Punjabi/
	6096 6033	Saraiki/ Pushto/
	6038	Balochi/
	6039	Sindhi/
	6040	Modern Languages
	6028	French (Marks: Th-I-100+ Th-II-75+Pra-25=200)
	6029	German (Marks: Th-I-100+ Th-II-70+Pra-30=200)
16.	6027	English Elective
17.	6037	Urdu Advance
18.	6042	Health and Physical Education (Marks: Th-I-85+ Th-II-85+Pra-30=200)
19.	6043	Education
20.	6045	Sociology
21.	6008	Library Science (Marks: Th-I-85+ Th-II-85+Pra-30=200)
22.	6083	Computer Science (Marks: Th-I-75+ Th-II-75+Pra-50=200)
23.	6041	Geology (Marks: Th-I-85+ Th-II-85+Pra-30=200)
24.	6090	Agriculture (Marks: Th-I-85+ Th-II-85+Pra-30=200)
25.	6079	Nursing (Marks: Th-I-85+ Th-II-85+Pra-30=200)
26.	6022	Music (Marks: Th-I-40+ Th-II-40+Pra-120=200)
27.	6013	Military Science (Marks: Th-I-100+ Th-II-100=200)
28.	6038	Commercial Practice

- 1- پنجاب بورڈز کے زیر انتظام 1996ء سے انٹر میڈیٹ کا امتحان پارٹ سٹم کے تحت پارٹ وائز (Part Wise) لیاجائے گا۔ گیار ہویں جماعت کا امتحان انٹر میڈیٹ (یارٹ-1) اور بار ہویں جماعت کا امتحان انٹر میڈیٹ (یارٹ-11) کہلائے گا۔
 - 2- پارٹ سٹم کے امتحان کے لیے پرچہ اے اور پرچہ نی کی بجائے پرچہ ااور پرچہ ااکے نام استعال کیے جائیں گ۔
 - 3۔ صرف یارٹ ا (گیار ہویں جماعت) کا دوسر اسالانہ امتحان نہیں لیاجائے گا۔
 - 4۔ اسلامیات (لازمی)/اسلامک ایجو کیشن کا امتحان پارٹ امیں لیاجائے گا۔ اور مطالعہ پاکستان کا امتحان پارٹ ۱۱ میں لیاجائے گا۔
 - 5۔ پارٹ اور پارٹ اا میں نمبروں کی تقسیم گور نمنٹ / بورڈ کی وضع کر دہ پالیسی کے مطابق ہوگ۔
- 6۔ پارٹ امیں شریک ہونے والے امید واران کو بار ہویں جماعت میں ترقی دے دی جائے گی اور وہ پارٹ اکے نتیج کا انتظار نہیں کریں گے اور 33%سے کم مارکس حاصل کرنے والے مضامین کا امتحان پارٹ ااکے ساتھ ہو گا اور اِسی سال دوسر اسالانہ امتحان میں انکی شمولیت نہیں ہوگی۔
- 7۔ پارٹ اامتحان میں 33 فیصد سے کم نمبر والے مضمون / مضامین میں اگر کوئی امیدوار پارٹ اا کے ساتھ دیناچاہے تواسے ایساکرنے کی اجازت ہو گی بصورت دیگر ان کا نتیجہ پارٹ ااور پارٹ اامیں حاصل کر دہ نمبر وں کی بنیاد پر مرتب کیاجائے گا۔ پارٹ ا اور پارٹ ااکوا یک ہی امتحان تصور کیاجائے گا اور امیدوار کی اس امتحان کے تمام مضامین میں شرکت اس کے الاٹ شدہ امتحانی مرکز میں حاضر ہونے پر مشروط ہوگی۔ بیاری یادیگر کسی بھی وجہ سے کوئی اضافی موقع نہیں دیاجائے گا اور امتحانی مرکز سے غیر حاضری امتحان سے غیر حاضری تصور کی جائے گی۔
- 8۔ انٹر میڈیٹ امتحان کا حتمی نتیجہ پارٹ اور پارٹ امیں تحریری نمبروں کے مجموعہ اور عملی نمبروں میں علیحدہ علیحدہ پاس کرنے کی بنیاد پر ہو گا۔
- 9۔ O" Level "جی سی ای یا کوئی مساوی امتحان پاس کرنے والے امید واروں کو IBCC سے مساوی سرٹیفکیٹ حاصل کرنے کے بعد مروجہ قوانین کے مطابق انٹر میڈیٹ کا امتحان دینے کی اجازت ہوگی۔
 - 10۔ کسٹم کے تحت تحریری اور عملی پر چوں کا دورانیہ بورڈ کی جانب سے تعین کر دہ او قات کے مطابق ہو گا۔
 - 11۔ پارٹ امیں کالجوں میں داخلہ لینے کی آخری تاریخ بورڈ کے جاری کر دہ شیڑول کے مطابق ہوگ۔
 - 12۔ یارٹ ااور یارٹ اا کاامتحان ہر سال بورڈ کے اعلان کر دہ شیڑول کے مطابق ہو گا۔
 - 13۔ پارٹ اکے امتحان کے بعد امید وار کو صرف نتیجہ کا اطلاع نامہ جاری کیاجائے گا۔ کسی قسم کی پاس کی سند جاری نہیں کی جائے گی۔
 - 14۔ یارٹ ااور یارٹ ۱۱ کا امتحان مجموعی طور پریاس کرنے کے بعد سند جاری کی جائے گی۔
- 15۔ گیارہویں جماعت (فرسٹ ائیر) کے کئی بھی مضمون /مضامین میں %33سے کم نمبر ، غیر حاضر اور صرف رجسٹرڈ ہونے والے طلباء طلباء طلباء سالانہ امتحان پارٹ اکے سیجی Result کی اشاعت کے 30۔ایام کے اندر بغیر کئی بھی ادارہ میں دوبارہ داخلہ (RE-ADMISSION) عاصل کرسکتے ہیں۔ری ایڈ میشن عاصل کرنے والے طلباء کی طالبات کا سابقہ رجسٹریشن ماصل کرنے والے طلباء کی اور ادارہ اس امر سے بورڈ کو تحریری طور پر قواعد وضوابط کے مطابق مطلع کرنے کا پابند ہوگا۔ تاہم گیارہویں جماعت میں پاس طلباء کی البات اپنارز لئے کینسل کر وائر دوبارہ گیارہویں جماعت کا متحان دے سکتے ہیں۔ایسے اُمید وارک اپنا مضمون کر مضامین کی جب تبدیل کرنے کی اجازت ہوگی رز لئے کینسل کر وائیوالے امید واران کی پہلے والی رجسٹریشن بحال رہے گی۔ تاہم ریگولر امید واران کیلئے ضروری ہے کہ وہ گیارہویں جماعت کے رز لئے (RESULT) کی اشاعت کے 30۔ ایام کے اندر اپنارز لئے کینسل کر وائیں جبکہ پر ائیویٹ اُمید واران امتحان میں شرکت کے لیے داخلہ فارم جمع کر وانے سے پہلے اپنا سابقہ پاس شدہ رز لئے کینسل کر وائے کے بابند ہوں گے۔

- 16- صرف ریگولر فیل شدہ طلباء / طالبات پارٹ اکا امتحان پارٹ ۱۱ کے ساتھ دیں گے۔ جبکہ ایسے پر ائیویٹ امیدوار ان جو اپنا سینڈری سکول سرٹیفکیٹ امتحان دوسال قبل پاس کر چکے ہیں۔ پارٹ ااور پارٹ ۱۱ کا امتحان ایک ساتھ دینے کے اہل ہوں گے۔
- 18۔ ریگولر امیدوار کے لیے لازم ہو گا کہ وہ پارٹ اے امتحان کے لیے کل دیئے گئے لیکچروں میں سے کم از کم %75میں حاضر رھا ہو۔اور کالج امتحان برائے استحقاق شمولیت بورڈ امتحان میں کم از کم ای گریڈ حاصل کیا ہو اسی طرح پارٹ الا کے امتحان کے لیے بھی %75 لیکچروں کی حاضری کی یابندی ہوگی نیز کالج امتحان برائے استحقاق شمولیت بورڈ امتحان میں کم از کم ای گریڈ حاصل کیا ہو۔
- 10۔ اگر کوئی ادارہ نامساعد حالات کی وجہ سے پارٹ۔ ارگیار ہویں جماعت) کے کسی امید وار کا داخلہ نہیں بھیج سکا تو اس امید وار کو پارٹ اا (بار ہویں جماعت) میں پر وموٹ کر دیا جائے گا اور اس کا داخلہ پارٹ اا (بار ہویں جماعت / کمپوزٹ) میں حاضریاں پوری ہونے پر ارسال کرے گا اگر نامساعد حالات کی بناء پر پارٹ اا (بار ہویں جماعت) میں بھی حاضریاں پوری نہ ہوتی ہوں تو پھر اسے Detain کر کے اس کا داخلہ آئندہ دو سرے سالانہ امتحان میں ارسال کرے گا۔ اسی طرح کسی وجہ سے پارٹ اکے امتحان میں رول نمبر جاری ہونے کے بعد شرکت نہ کرسکنے والے امید وار کا داخلہ بھی اگلے سال یارٹ اا کے ساتھ بھیجا جاسکے گا۔
 - 20- انٹر میڈیٹ پارٹ -ا میں کی گئی رجسڑیشن پارٹ -۱۱ کے لیے بھی کارآ مدہوگ۔
- 21- اگر کوئی ریگولرامیدوار پارٹ اے امتحان میں شریک ہوتا ہے اور نامساعد حالات کی وجہ سے ریگولر تعلیم جاری نہیں رکھ سکتا اور اسکے مضامین پریکٹیکل والے نہیں ہیں۔ تو وہ پارٹ - ۱۱ میں بطور پر ائیویٹ امید وار امتحان میں شامل ہو سکتا ہے۔
- 22۔ دوسرے سالانہ امتحان میں انٹر میڈیٹ پارٹ ۱۱۰ کمبا کنڈ امتحان نئے سرے سے (As a Fresh Candidate) دینے کی اجازت ہوگی۔
- 25۔ انٹر میڈیٹ امتحان پاس کرنے کے لیے امید وار کے پارٹ اور پارٹ ا کے مجموعی نمبروں کو ملاکر متعلقہ مضمون میں پاس یافیل شار کرنا ہوگا۔ کمپارٹ منٹ کے مضمون کم مضامین کو پاس کرنے کے لیے اگلے فوری تین امتحانی مواقع دیے جائیں گے اس شق کے تحت ہر امید وار کو پارٹ ا اور پارٹ ا اور پارٹ ا کے امتحانات میں ایک ساتھ شریک ہوناہوگا تاہم اگر کوئی امید وار کسی مضمون کے کسی پارٹ میں غیر حاضر رہتا ہے اور دوسر کے پارٹ میں وہ اتنے نمبر حاصل کر لیتا ہے۔ کہ اس کے حاصل کر دہ نمبر اس مضمون کے دونوں پارٹ میں غیر حاضر رہنے کی بنا پر دوسر کے برابریازیادہ بھی ہو جائیں تو پھر بھی اس کو اس مضمون میں پاس نہیں کیا جائے گا۔ کیونکہ کسی ایک پارٹ میں غیر حاضر رہنے کی بنا پر دوسر ب

پارٹ میں اس نے کوئی نمبر حاصل نہیں کیااس لیے غیر حاضر پارٹ کو دوسرے پارٹ کے حاصل کر دہ نمبر وں کے ساتھ ملایا نہیں جاسکتااس کو اس پارٹ میں فیل کر دیاجائے گاجس میں وہ غیر حاضر رہااور اس کو فیل شدہ مضمون / مضامین جن میں وہ غیر حاضر رہاتھا۔ پاس کرنے کیلئے قواعد کے مطابق امتحانی موقع / مواقع دیئے جائیں گے۔

- 24۔ جو امید وارپارٹ- اورپارٹ- اسل کردہ نمبر وں کے حساب سے فیل ہو گا۔وہ فیل شدہ پارٹ کا امتحان دے گا۔مثلاً اگر ایک امید وار ایجو کیشن کے مضمون میں پارٹ- امیں 40 نمبر لیتا ہے۔اورپارٹ- السمیں 24 نمبر لیتا ہے تو مجموعہ 40 +24 = 64 بتا ہے اس کے پارٹ- السلے میں 33 فیصد سے کم نمبر ہیں اس لیے اسے صرف یارٹ - السلے کا ایجو کیشن کا امتحان دینا ہوگا۔
- 25۔ اگر کوئی امید وارپارٹ اے امتحان میں شرکت کرتا ہے لیکن پارٹ ااے امتحان میں شرکت نہیں کرتا تواس کا پارٹ اکا نتیجہ اسکے پارٹ ااے امتحان میں شرکت یازیادہ سے زیادہ دوسال تک بشر طیکہ جو بھی پہلے واقع ہو محفوظ رکھا جائے گا۔ اس کے بعدیہ نتیجہ منسوخ سمجھا جائے گا۔
- For the purpose of improving marks/grades, candidates will be provided with four examination opportunities in the same subjects or subject groups in which they previously passed examinations, the following the current prevalent syllabi. These opportunities can be availed within a period of four (4) years of passing the SSC and Intermediate examinations, provided that they are utilized before appearing in any higher examinations conducted by any examining body.
- Candidate will need to submit an affidavit, of marks not attaining higher degree, if improvement chances are availed beyond two years of first attempt.
- The Candidate may appear in following categories:
 - (a) In subject(s) of his choice (subject means Part-I + Part-II + Practical)
 - (b) In Part-I (c) In Part-II (d) In Part-I and Part-II both (e) In any paper(s) of Part-I or Part-II (f) The highest marks obtained by the candidate will be counted toward final result.
- Old posting (previous result) will be taken from the last improved result which will carry the highest marks obtained in a paper after multiple attempts.
- In case, a candidate remains absent after applying for improvement, his old posting (previous result) will continue.
- Grace-Marks subject(s) must be re-taken with improvement attempt and no Grace Marks will be allowed in case of improvement.
- i. A candidate may appear in any number of additional subject/s along with his/her group of subjects already opted at SSC/ HSSC level in the same Board from where he/she appeared in the SSC/HSSC examination. To qualify the additional subject/s a candidate may avail the same number of attempts as available for the regular candidate to qualify the said examination.
- ii. A candidate desirous of appearing in the subject(s) at the level of HSSC examination having practical shall take admission in affiliated institution as regular student, attend classes and perform practical in laboratory. Institutions shall forward his/her registration and admission as regular student. However, the candidate shall appear in both papers i.e. part-I and Part-II in 1st annual and 2nd annual examinations in the current course not offered by him/her previously.
- 28- کوئی بھی امیدوارپارٹ اکا نتیجہ چھوڑنے (Forgo) کے بعد پارٹ اور پارٹ ااکا امتحان اکٹھادے سکتا ہے مگر ایسے امیدوار کو امتحان پاس کرنے کے بعد نمبر بہتر بنانے کاچانس نہیں ملے گا۔
- 29۔ داخلی تخمینہ کا گریڈاداروں کی طرف سے بار ھویں جماعت کے آخر میں منگوایا جائے گا۔اور اس کااندراج پارٹ -II امتحان کے سرٹیفکیٹ میں کیا جائے گا۔

- 300۔ پارٹ-اکا نتیجہ مرتب کرتے وقت امید واران کو مجموعی طور پر پارٹ -ااور پارٹ -ااک امتخان پاس کرنے کے لیے کل نمبر وں (لیعنی 1200 نمبر وں) کا ایک فیصد بطور رعائتی نمبر دیئے جائیں گے۔ یہ رعائتی نمبر بورڈ کے ضابطہ نمبر ۲۸۱ کی روشنی میں دیئے جائیں گے۔ پارٹ-ا کا نتیجہ مرتب کرتے وقت کوئی رعائتی نمبر نہیں دیئے جائیں گے۔ تاہم اگر کوئی امید وار رعائتی نمبر نہیں لینا چاہتا تو وہ اگلے امتخان کے واضلہ فارم جمع کروانے کے شیڈول کے اندر اندر اشٹام پیپر پر مجسر ٹیٹ درجہ اول کا تصدیق شدہ صلف نامہ اس امر کا مہیا کرے گا کہ اسے گریں والے مضمون کرمضامین میں فیل کر دیا جائے کیونکہ وہ گریس لے کرپاس نہیں ہونا چاھتا۔ نیز یہ کہ اس نے گریس مار کس وال نتیجہ واپس نہیں مانگے گا۔ اس صلف نامے کے پیش نظر داخلہ لیا ہے اور نہ ہی کوئی ملاز مت کی ہے نیز یہ بھی کہ آئندہ وہ گریس مار کس والا نتیجہ واپس نہیں مانگے گا۔ اس صلف نامے کے پیش نظر امید وار کو فیل کرکے فیل شدہ صفمون کر مضامین مین دوبارہ امتخان دینے کی اجازت دے دی جائے گی بشر طبکہ امید وار کے کمپار ٹمنٹ والے موقع کی موقع کی موقع کی موقع کی مواقع باقی ہو۔ اگر امید وار کمپار ٹمنٹ والارز لٹ لینا چاہے تو اس کو مجوزہ فیس کی ادائیگی پر نیارز لٹ کارڈ جاری کیا جاسکتا ہے۔ موقع کی موقع کی مواقع باقی ہو۔ اگر امید وار کمپار ٹمنٹ والارز لٹ لینا چاہے تو اس کو مجوزہ فیس کی ادائیگی پر نیارز لٹ کارڈ جاری کیا جاسکتا ہے۔ موقع کی موقع کی مواقع باقی ہو۔ اگر امید وار کمپار ٹمنٹ والارز لٹ لینا چاہے تو اس کو مجوزہ فیس کی ادائیگی پر نیارز لٹ کارڈ جاری کیا جاسکتا ہے۔
- 31۔ انٹر میڈیٹ کا کوئی امیدوار کسی ایک بورڈ کے پارٹ -اکے امتحان میں شرکت کرنے کے بعد پارٹ-۱۱ کا امتحان اور پارٹ-1 کے فیل شدہ مضمون / مضامین کا امتحان مروجہ قواعد وضوابط کے تحت کسی بھی دوسر سے بورڈ میں دینے کا اہل ہو گا۔ لیکن بیہ سہولت پورے تعلیمی دورانیہ (اکیڈ مک سیشن) میں صرف ایک بار دی جائے گی۔
- 32۔ پرائیویٹ امیدواران پارٹ اور پارٹ اا کے امتحانات میں ایساکوئی مضمون اختیار کرنے کے اہل نہیں ہوں گے جس میں عملی امتحان شامل ہو۔
- 33۔ پرائیویٹ امیدوار کیلئے لازم ہو گا کہ اس نے پارٹ 1 میں شرکت سے پہلے کم از کم ایک سال بیشتر اور پارٹ 11 کے امتحان میں شرکت سے کم از کم دوسال بیشتر میٹرک کاامتحان یاس کیاہو۔
- 34۔ اگر کوئی ریگولر امید وارپارٹ۔ 11 کے سائنس مضامین کا داخلہ بھیجتا ہے اور امتحان کیلئے اہل قرار پاتا ہے۔ لیکن کسی وجہ سے امتحان میں شرکت کے مواقع (Chance) نہیں کر سکتا۔ وہ سائنس مضامین کے ساتھ پر ائیویٹ طور پر امتحان دے سکتا ہے۔ البتہ اسے امتحان میں شرکت کے مواقع (Chance) مروجہ قانون کے مطابق ملیں گے۔ جس چانس کو امید وارنے کسی وجہ سے خود ضائع کیا ہووہ چانس استفادہ شدہ تصور ہوگا۔
- 35۔ سائنس کے مضامین یا آرٹس کے ایسے مضامین جن میں عملی امتحان شامل ہو۔ بحیثیت پرائیویٹ امیدوار اختیار نہیں کیے جاسکتے البتہ جو امیدواران پہلے ریگولر امیدوارکی حیثیت سے امتحان میں شمولیت کر کے تمام مواقع ختم کر کچے ہوں تو وہ پر یکٹیکل والے مضامین میں بطور پرائیویٹ امیدوار شامل ہو سکتے ہیں۔
- 36۔ اگر کسی امیدوارنے سائنس گروپ یا پر کیٹیکل کے مضمون / مضامین میں بطور ریگولر پارٹ-1 کاامتحان پاس کرلیا ہولیکن کسی وجہ سے وہ اپنی تعلیم بطور ریگولر طالب علم جاری نہ رکھ سکا ہوتو وہ اپنا پارٹ-1 کا نتیجہ نظر انداز کرتے ہوئے آرٹس کے ایسے مضامین جن میں پر کیٹیکل نہ ہو یارٹ -1 اور یارٹ -1 کا امتحان بطور پر ائیویٹ امیدوار دینے کا اہل ہوگا۔
- 37۔ انٹر میڈیٹ پارٹ-11 یا کمپوزٹ سالانہ امتحان میں رول نمبر جاری ہونے کے بعد کلی طور پر غیر حاضر ہونے والے امید واران کو بھی اس سال کے دوسرے سالانہ امتحان میں شرکت کی اجازت ہوگی۔
- 38۔ ایسے اُمیدوار جوO-A Level عامہ/خاصہ/ثانویہ وغیرہ کا امتحان پاس کرنے کے بعد IBCC کی طرف سے جاری کر دہ لیٹر کے مطابق مضمون /مضامین کا امتحان دیں گے اُن کو 10رعایتی نمبر دیئے جائیں گے۔ایسے اُمیدواران بورڈ قانون کے مطابق نمبر بہتر / گریڈ بہتر بنانے کے مواقع فراہم کیے جائیں گے۔
 - 39۔ انٹر میڈیٹ پارٹ-1ا(کمپوزٹ)امتحان میں فیل / غیر حاضر ہونے کی صورت میں دوبارہ صرف پارٹ-1کاامتحان نہیں دیاجا سکے گا۔

نصاب اُر دو (لاز می) پارٹ-ا(برائے جماعت گیار ہویں)

کل نمبر:100 ونت:3:00 گھنٹے شعرا عنوانات عنوانات سيّد نفيس الحسيني نفيس حفيظ تائب عنوانات عنوانات اخلاقِ نبوى خَاتَمُ النَّهِ إِنَّ صَلَّ اللَّهُ عَلَيْهِ وَعِلَ شبلی نعمانی قاقه میں روزہ خواجه حسن نظامي اسدالله خال غالب ایک اُستاد عدالت کے کثیرے میں اشفاق أحمه مكاتيبغالب خدىجەمستُور اور پاکستان بن گیا رشيد أحمه صديقي چاريائي سعادت حسن منٹو نيا قانون امجد إسلام امجد ڈاکٹر ممتازمنگُلوری یا کستانی زبانیں اور اُن کا باہمی رشتہ تاریخ کا کفن مصنفين عنوانات عنوانات اخترشير اني اودیس سے آنے والے بتا علّامه محمدا قبالٌ اے وادی لولاب! رحمان بابآ (مترجم: پروفیسر محد طاخاں) احسان دانش آزادی اخلاص سيّد محمه جعفري كھڑ اڈنر حصه غزل مصتفين مصنفين عنوانات عنوانات میر تقی میر سر میں سودا بھی نہیں، دل میں تمنّا بھی نہیں بتابتًا بُوٹا بُوٹا، حال ہمارا جانے ہے فراق گور کھ پوری سلسلے توڑ گیاوہ سبھی جاتے جاتے بے چین بہت پھرنا، گھبر ائے ہوئے رہنا منيرنيازي أحمد فراز بادبال کھلنے سے پہلے کا اشارہ دیکھنا يروين شاكر اُردو(گیارہویں جماعت) • پروفیسر محمد ظفرالحق چشتی مولفين: • ڈاکٹر محمد خاور نوازش • يروفيسر طارِق حبيب • راناحنان محمود • محمر طاہر صدیقی مطبع: اسحاق الفتح يريس **ناثر:** ضياءالقر آن پېلې کيشنز برائ: پنجاب ایجو کیشن ، کریکولم ، ٹریننگ اینڈ اسمنٹ اتھارٹی **♦---**♦

ن**صاب اُردو (لازمی)** پ**ارٹ-اا** (برائے جماعت بار ہویں)

کل نمبر:100		·	وقت:3:00 گھنٹے
			حصه نثر: كتاب "سرمايه أردو"
15 نمبر		حوالے سے تشریح	دیے گئے اقتباس کی سیاق وسباق کے
10 نمبر			سبق كاخلاصه
05 نمبر			اسباق پر سوالات
10 نمبر			نظم کی تشر تح
10 نمبر			غزل کی تشر تح
05 نمبر			نظم كاخلاصه
			قواعد وانشا
20 نمبر			مضمون
10 نمبر			خط / آپ بیتی
15 نمبر			قواعد
			قواعد برائے سال دوم
		ل کے ساتھ فعل	مختلف حروف كااستعال فاعل / مفعو
		ر بطور امد ادی افعال	کی مطابقت ر موزاو قاف_چند مصاد
			سرمایه اُردو(بار ہویں جماعت)
	3_پروفیسر جعفر بلوچ	2 ــ ڈا کٹر عبد الغنی فاروق	مئو گفین: 1 _ڈا کٹر علی محمد خان
		ؾ	ایڈیٹرز:1 ۔ پروفیسر محمد ظفرالحق ^{چش}
			ناشر: پنجاب ٹیکسٹ بک بورڈ،لا ہور
		⋄⋄	

PAKISTANI CULTURE

(For Foreign Students Only in lieu of Urdu Compulsory)
(There will be two papers of 100 marks each)

(Outlines of tests)

Marks : 100 CLASS XI (PART I) Time : 3:00 hours

1. Geography:

- (i) **Land**: Physical features, rivers, canals and communications gateways to Pakistan. Climate, important cites, hill stations.
- (ii) **People:** Population distribution (Rural and Urban) Racial features, religions, dress and customs.
- (iii) Influence of Geography on culture.
- 2. Islamic Heritage.
 - (i) Advent of Islam: The Holy Prophet عَاتَمُ النَّابِيِّنَ صَلَّ اللهُ عَلَيْهِ وَعَلَى and the Holy Quran.
- (ii) Islamic Principles and Ideology.
- (iii) **Islam in the sub-continent:** Contribution of Arabs, Turks, Afghans and Mughals in the spread of Islamic culture.
- (iv) Culture:- Defintion Islamic Culture its distinctive features.
- 3. Archeological Heritage of Pakistan.
 - (i) Mohenjodaro (ii) Taxila (iii) Gandhara (iv) Bhamboore
- (v) Mainamati (East Pakistan) (vi) Thatta (vii) Multan (viii) Lahore (ix) Peshawar.
- 4. Making of Pakistan. (1857-1947) Political, Ideological and Socio-economical background.
- **5.** National and Regional Languages, their impact on Everyday life, Family Pattern in Pakistani Society.
- 6. Arts and Crafts.

Recommended Books:

1. Pakistani way of Life

By Dr. Ishtiaq Hussain Qureshi (Published in London)

2. The Pakistani way of life and Culture

By Dr. Abdul Hamid (M/S Publishers United, Lahore)

Marks : 100	CLASS XII (PART II)	Time : 3:00 hours

- 1. Factors Leading to October Revolution of 1958.
- **2.** Broad Features of the Constitution of Pakistan.
- 3. A detailed study of the Basic Democracies.
- **4.** Economic Resources of Pakistan: Products and Minerals, Agriculture and Industrial developments, Trade and commerce.
- 5. Education in Pakistan: Primary and Secondary, Universities, Technical.
- **6.** Pakistan and the World: Pakistan and its neighbours Kashmir, China, Russia, Afghanistan, Bharat, Burma, (Pakistan and Muslim countries), (Pakistan and the Commonwealth.)

Recommended Books:

1. Pakistani way of Life

By Dr. Ishtiag Hussain Qureshi (Published in London)

2. The Pakistani way of life and Culture

By Dr. Abdul Hamid (M/S Publishers United, Lahore)

3. Pakistan its Resources and Potentialities

By Dr.M.B. Pithawala (M/S Publishers United, Lahore)

4. Pakistan Way of Life & Culture

(By Sher Muhammad Garewal)



ENGLISH

Marks: 100 CLASS XI (PART I) Time: 3:00 hours

Unit No.1 Khatam-un-Nabiyeen Hazrat Muhammad خَاتُهُ النَّهِ اللَّهِ مِنْ اللَّهِ مِنْ اللَّهِ وَعَلَيْهِ اللَّهِ وَالْمَالِينِ اللَّهِ وَالْمَالِينِ اللَّهِ وَالْمَالِينِ اللَّهِ وَالْمَالِينِ وَالْمِنْ اللَّهِ وَالْمَالِينِ اللَّهِ وَالْمَالِينِ اللَّهِ وَالْمَالِينِ اللَّهِ وَالْمَالِينِ اللَّهِ وَالْمَالِينِ اللَّهِ وَاللَّهِ وَاللَّهُ وَاللَّهِ وَاللَّهِ وَلَيْعِ وَاللَّهِ وَالللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهُ وَاللَّهِ وَاللَّهِ وَاللَّهُ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهُ وَلَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهِ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللْمُوالِيَّالِي اللللِّهِ وَاللَّهِ وَلَّالِي وَاللَّهِ وَاللَّهِ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهِ وَاللَّهُ وَاللَّهُ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهُ وَاللَّهُ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَالللْمُوالِمُواللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللْمُواللَّهُ وَاللَّهُ وَاللَّهُ وَاللْمُواللَّهُ وَاللْمُوالِي وَاللْمُواللْمُوالِي وَاللْمُواللَّهُ وَاللْمُواللْمُواللَّلِي وَاللْمُواللْمُواللْمُواللْمُواللْمُواللَّهُ وَالللْمُواللْمُواللْمُواللْمُولِ وَاللْمُولِي وَالللللْمُولِي وَاللْمُواللِمُولِي وَ

Theme/Sub-Theme: Ethics and Values / Handling of Trust / Self-discipline

Reading and Critical Thinking: Comprehansion Questions / Summary of Text

Vocabulary and Grammer: Pronounciation/Dictionary Skills/Word Patterns/Parts of Speech

Oral Communication Skills: Oral Discussion / Attentive Listening

Writing Skills: Paragraph Writing / Informative / Explanatory Essay Writing

Unit No.2 Responsibility of the Youth in Nation-Building

Theme/Sub-Theme: Quality Education

Reading and Critical Thinking: Comprehension Questions/ Choose the Correct Option

Vocabulary and Grammer: pattern of Word Changes/ Tenses
Oral Communication Skills: Oral Discussion/ Group Presentation

Writing Skills: Argumentative Essay
Unit No.3 A Bird Came Down the Walk (Poem)

Theme/Sub-Theme: Connecting People and Nature

Reading and Critical Thinking: Comprehension Questions/ Choose the Correct Option Vocabulary and Grammer: Figure of Speech/Compound Preposition and Prepositional

Phrase

Oral Communication Skills: Role-Play/ Interview/ Discussion

Writing Skills: Objective Summary/Critical Appreciation and Literary Critique

Unit No.4 Team Moon

Theme/Sub-Theme: Team Work

Reading and Critical Thinking: Comprehension Questions/ Choose the Correct Option

Vocabulary and Grammer: Adjectival, Prepositional and Adverbial Phrases Oral Communication Skills: Oral Discussion/Role-play/Community Meeting

Writing Skills: Writing a Book Review
Unit No.5 Impact of Global Warming on Pakistan

Theme/Sub-Theme: Effects of Global Warming on Pakistan Reading and Critical Thinking: Comprehension Questions/Summary

Vocabulary and Grammer: Idioms and Proverbs/Conjunctions and Transitional Devices

Oral Communication Skills: Dialogues
Writing Skills: Informative Essay

Unit No.6 The Echoing Green (Poem)

Theme/Sub-Theme: Environment Matters

Reading and Critical Thinking: Comprehension Questions/Plot Development Review

Vocabulary and Grammer: Meaning of a Word/Parts of Speech/Tenses/Sentence Structure

Oral Communication Skills: Oral Discussion
Writing Skills: Paraphrasing Skills
Unit No.7 What You Do is What You are

The ACT That I do not be 15 what I do alc

Theme/Sub-Theme: Respecting Self and Others

Reading and Critical Thinking: Comprehension Questions/Choose the Correct Option Vocabulary and Grammer: Use Context Clues/Gerunds/Infinitives/Participles

Oral Communication Skills: Mind-map/ Dialogues
Writing Skills: Writing Analytical Essay

Unit No.8 Clean Water

Theme/Sub-Theme: SDGs/ Clean Water & Sanitation

Reading and Critical Thinking: Comprehension Questions/Characters Evaluation

Vocabulary and Grammer: Word maps/Commonly Confused Words/

Oral Communication Skills: Oral Discussion/ Enact the Play/ Discussion on Play

Writing Skills: Formal Letter And e-mail

Unit No.9 Freedom (Poem)

Theme/Sub-Theme: Literature & Poetry/ Freedom

Reading and Critical Thinking: Comprehension Questions/Paragraph Writing/ Pronunciation/

Organizational patterns In a Text

Vocabulary and Grammer: Capitalization/ Punctuation/ Use the Aspect of Time

Time: 3:00 hours

Oral Communication Skills: Oral Discussion & Short Stories/ Dialogues Writing Skills: Precis Writing/ Objective Summary

Unit No.10 The Punishment of Shahpesh, The Persian, on Khipil, the Builder

Theme/Sub-Theme: Soft Skills/ Decision Making Reading and Critical Thinking: Comprehension Questions/

Vocabulary and Grammer: Using the Sentence Patterns/Context Clues

Oral Communication Skills: Oral Discussion/Dialogues
Writing Skills: Writing Narrative Story

Unit No.11 Those Winter Sundays (Poem)

Theme/Sub-Theme: Human Relationships

Reading and Critical Thinking: Comprehension Questions/ Chosse the Correct Option

Vocabulary and Grammer: Dictionaries and Theasaurus/Writing in Different Varieties of Texts

Oral Communication Skills: Presentation/Speech Writing Skills: Writing a Dialogue

Unit No.12 The Impact of AI on Society, Human Relationships, and Ethics

Theme/Sub-Theme: Digital Media

Reading and Critical Thinking: Comprehension Questions

Vocabulary and Grammer: Word maps Change Tense in indirect/ Direct Speech

Oral Communication Skills: Role-play/ Interview/ Discussion

Writing Skills: Writing a Short Story

Unit No.13 Ruba'iyat (Poem)

Theme/Sub-Theme: Literature& Poetry/ Spiritualism
Reading and Critical Thinking: Comprehension Questions/ Summary
Vocabulary and Grammer: Change Tense In Indirect/ Direct Speech

Oral Communication Skills: Mind-map

Writing Skills: Writing a Descriptive Composition

Unit No.14 The End of the Beginning

Theme/Sub-Theme: Literature & Poetry/ Gender Role

Reading and Critical Thinking: Comprehension Questions/ Plot Development Review

Vocabulary and Grammer: Inferred Meaning in Context Sentence

Oral Communication Skills: Oral Discussion

Writing Skills: Applying Editing and Proofreading Skills

Recommended Book: English Part-I

Authors: • Aamna Aamad • Rubia Younas

Malik Karrar Hussain JakharShazia ManzoorZahida BatoolSafdir Hussain

Printed by: Ishaq Al Fateh Press **Published by:** Maktaba-i-Raheemia

Punjab Education , Curriculum, Training And Assessment Authority

1-	Book II (Modern Prose and Heroes)	(15+15)	30
2-	Novel:-	,	20
3-	Composition:-		15
	(Descriptive and Narrative Essays of	consisting of 300 to 400 words)	
4-	Applied Grammar:-	-	20
	A) Correction of Common Errors	B) Direct and indirect narration	
	C) Use of Prepositions.	D) Phrases of current usage. (Idioms)	
5-	Translation:-		<u> 15</u>
	(A Continuous Prose Passage from	Urdu into English) OR	Total 100
6-	Candidate whose mediam of exami	nation is English will write a paragraph or	າ

CLASS XII (PART II)

Intermediate English Book - II

Marks: 100

Publishers: 1. Niaz Book Depot 2. Tariq Pulishing House 3. Wajid Ali

Author: Dr. Muhammad Sadiq Editor: Mrs. S.M. Suleri



ENGLISH GRAMMER AND COMPOSITION

Chapter 1— Parts of Speech

Nouns

Kinds of Nouns

Proper Nouns and Common Nouns
Countable Nouns
Material Nouns

Collective Nouns
Uncountable Nouns
Abstract Nouns

Compound Nouns

Pronouns

Types of Pronouns

Indefinite PronounsPersonal PronounsReflexive PronounsDemonstrative PronounsPossessive PronounsRelative PronounsInterrogative PronounsReciprocal Pronouns

Interrogative Pronouns

Intensive Pronouns/ Emphatic Pronouns

Distributive Pronouns

Verbs

Types of Verbs

Action Verbs
Transitive Verbs
Stative Verbs
Phrasal Verbs
Irregular Verbs
Auxiliary Verbs
Intransitive Verbs
Modal Verbs
Regular Verbs
Linking Verbs

Subject -Verb Agreement

Adjectives

Comparison of Adjectives

Positive Degree of an Adjective Comparative Degree of an Adjective

Superlative Degree of an Adjective

Formation of Comparative and Superlative Adjectives

Adverbs

Kinds of Adverbs
Prepositions
Formation of Adverbs
Kinds of Prepositions

Types of Prepositions List of Prepositions with Usage and Sentences

Conjunction

Classes of Conjunctions

Co-ordinating Conjunctions Subordinating Conjunctions

Correlative Conjunctions

Interjection

Grammar Exercise — 1

Chapter 2 — Punctuation

Punctuation

Full Stop [.] Comma [,]

Question Mark [?] Colon [:]

Exclamation Mark [!] Semicolon [;]

Apostrophe ['] Quotation Marks [" 15]

Grammar Exercise — 2

Chapter 3 — Tenses

Tenses

Present Tense

Forms of the Present Tense Structure of the Present Tense

Past Tense

Forms of the Past Tense Structure of the Past Tense

Past Tense Verbs with the Past and Past Participle Forms

Future Tense

Forms of the Future Tense Structure of the Future Tense

Grammar Exercise — 3

Chapter 4 — Correction of Common Errors

Correction of Common Errors Lack of Subject-Verb Agreement Pronoun Errors Mistakes in Apostrophe's Usage

Redundancy Misplaced Modifiers Lacking Parallel Structure Comma Splice

Faulty Comparisons
Grammar Exercise — 4
Chapter 5 — Sentences

Sentence

Sentences on the Basis of Function

Declarative Sentences Interrogative Sentences Exclamatory Sentences

Sentences on the Basis of Structure

Simple Sentence Compound Sentence

Complex Sentence Compound-Complex Sentence

Grammar Exercise — 5

Chapter 6 — Direct and Indirect Speech

Direct and Indirect Speech

Direct Speech Indirect Speech

Rules for Conversion of Direct Speech to Indirect Speech
Conversion of Direct Speech to Indirect Speech — Reporting Verb
Change of Present Tenses
Change of Future Tenses
Change of Modal Verbs

Conversion of Interrogative Sentences from Direct Speech to Indirect Speech Conversion of Imperative Sentences from Direct Speech to Indirect Speech Conversion of Exclamatory Sentences from Direct Speech to Indirect Speech Conversion of Wish (Optative Sentences) from Direct Speech to Indirect Speech

Change of Pronouns

Change of Typical Words of Time and Place

Grammar Exercise — 6

Chapter 7 — Pair of Words

14 Pair of Words Grammar Exercise — 7

Chapter 8 — Idioms

15 Idioms

Grammar Exercise — 8

Section 2 — Composition

Chapter 9 — Stories

Stories with Moral Lessons, Honesty is the Best Policy, A Friend in Need is a Friend Indeed, Union is Strength, The Mouse and the Lion, The Foolish Stag, The King and the Spider, Greed is a Curse, As You Sow, So Shall You Reap, Look Before You Leap, The Thief and His Mother, The Hare and the Tortoise, The Crow and the Pitcher, A Stitch in Time Saves Nine, A Rolling Stone Gathers No Moss, An Arab and His Camel, The Bee and the Dove, The Little Fish, The Hen that Laid Golden Eggs, The Wolf and the Lamb, King Midas and the Golden Touch, The Boy Who Cried Wolf, A Wise Counting, The Blue Jackal

Chapter 10 — Letters and Applications

Letters and Applications, Introduction, Kinds of Letters, Parts of a Letter, Format of Formal/Informal Letter, Formal Letters, Tips for Writing an Application, Application for sick leave, Application for full fee concession, Application for character certificate, Application for a scholarship, Application for the refund of library security fee, Application for an urgent piece of work, Application for leave to attend to the sick mother, Application for leave to attend a funeral, Application for the remission of absence fine, Informal Letters, Tips for Writing an Informal Letter, Letter to your friend requesting him to spend summer vacation with you, Letter to your friend about the profession you want to adopt, Letter to your younger brother advising him how to improve his English language, A Rolling Stone Gathers No Moss, An Arab and His Camel, The Bee and the Dove, The Little Fish, The Hen that Laid Golden Eggs, The Wolf

and the Lamb, King Midas and the Golden Touch, The Boy Who Cried Wolf, A Wise Counting, The Blue Jackal

Chapter 10 — Letters and Applications

Introduction, Kinds of Letters, Parts of a Letter, Format of Formal/ Informal Letter, Letter to your father telling him about your health and studies, Letter to your younger brother advising him to avoid bad company and pay attention to studies, Letter to your friend to borrow books from him, Letter to your mother about your performance in the examination, Letter to your father/ mother about your ft day at college, Letter to your father requesting him to allow you to join the educational tour, Letter to your mother/ father justifying your poor performance in the examinati, Letter to your father requesting him to hire a private tutor for you, Letter to your friend advising him to participate in games and physical activities, Letter to your friend inviting him to attend the marriage ceremony of your sister, Letter to your friend who had an accident, Letter to your friend telling him about your performance in the examination, Letter to your friend condoling with him on his father's death

Exercise — 10

Chapter 11 — Translation

Rules of Translation from Urdu into English and from English into Urdu, Translation from Urdu into English, Translation from English into Urdu, Exercise (Translation from Urdu into English) — 11.1, Exercise (Translation from English into Urdu) — 11.2

Chapter 12 — Paragraph

Paragraph Format

Four Types of Paragraphs: Narrative Paragraph, Descriptive Paragraph, Expository Paragraph, Persuasive/Argumentative Paragraph.

Sample Paragraphs: Spring Season, My Best Friend, My Favourite Personality, My Hobby, A Hot Day in Summer, Mobile Phone, Corruption, Terrorism, Smog, Poverty

Chapter 13 — Essays

Structure of an Essay - Tips for Essay Writing - Internet - Traffic Problems in Big Cities - A Visit to a Zoo - Village Life - My Last Day at College - Advantages and Disadvantages of Cell Phones - Festivals - A Rainy Day - My Favourite Personality - Terrorism - A Road Accident - Examinations - Education System of Pakistan - Atomic Energy - Pollution - The Dignity of Labour - Uses of Science - Patriotism - Beggary - Why I Love My Country - My Aim in Life - A Journey by Train - A Visit to a Hill Station - Hostel Life - A Visit to a Fair - A Visit to a Historical Place - My Hobby - Women Empowerment - Smog



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نصاب تعلیمات اسلامی (لازی)
کل نمبر:50
                                                                                                                                     (برائے جماعت گیار ہویں)
                                                                                                                                                                                                                                                                                                                   ونت:2:00 كَفْطُ
                 قرآنِ مجيد وحديثِ نبوى خَاتَدُ النَّبِيِّنَ لَهِ وَاضْعَالِيهُ وَعَلَى اللهُ عَلَيْهِ وَعَلَى اللهُ عَلَيْهِ وَعَلَى علوم الحديث اللهُ عَلَيْهُ وَاضْعَالِهُ وَاضْعَالِهُ وَاصْعَالِهُ وَاصْعَالُهُ وَاصْعَالُهُ وَاصْعَالُهُ وَاصْعَالُهُ وَاصْعَالُهُ وَاصْعَالُهُ وَاسْعَالُهُ وَالْعَلَيْدِ وَعَلَيْهُ وَاللَّهُ اللَّهُ وَاللَّهُ وَاللّمُ اللَّهُ وَاللَّهُ وَاللَّاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ واللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللّلْمِ وَاللَّهُ وَاللَّاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَاللَّهُ وَال
                                                                                                                                                                                                                                                                                                                                           باب اوّل:
                                                                                                                                                                                                                                                                              باب دوم: ايمانيات وعبادات
   (الف) توحید کے دلاکل اور تقاضے (ب) رسالت محدی نخاته النَّه بِیّن صَلَّى اللهُ عَلَيْهِ وَعَلَى كَي خصوصیات
                                                                                                                                                                                                                                                               (1) ايمانيات:
     (ح) ملا تکه پرایمان (و) گُشب ساویه پرایمان (ه) آخرت پرایمان
                                                                              (ب) فلسفهُ ز کوة وصد قات
                                                                                                                                                                                              (الف) فلسفهُ نماز
                                                                                                                                                                                                                                                         (2) عمادات:
                                                                                            (ج) فلسفر صوم (c) فلسفر حج و قربانی
                                                                                                                                                                                                                                سيرتِ نبوى خَالْتُهُ النَّهِ فِينَ صَلَّى اللهُ عَلَيْهِ وَعَلَى اللهُ عَلَيْهِ وَعَلَى سِيرَ
                                                                                                                                                                                                                                                                                                                                              بإب سوم:
                                                                                                                                                   (الف) نبي كريم خَالَتُهُ اللَّهِ إِنَّ اللَّهِ وَاللَّهِ اللَّهُ عَلَيْهِ وَعَلَى الطور مثالى سربر اوخاندان
                                                                                                                                                   (ب) نبي كريم مَخَاتَدُهُ اللَّهِ بِلَّهِ مِنْ اللهُ عَلَيْهِ وَعَلَى بطور مثالى سربر اورياست
 (ج) نبي كريم خَالَتُهُ النَّهِ بِينَ اللهُ وَاضْعَالُهُ وَعَلَى اللهُ عَلَيُهُ وَعَلَى اللهُ عَلَيْهِ وَعَلَى اللهُ عَلَيْهِ وَعَلَى اللهِ عَلَيْهِ وَعَلَى اللهِ عَلَيْهِ اللهِ وَاصْعَالِهِ وَسَلَّمَ اللهِ عَلَيْهِ اللهِ وَاصْعَالِهِ وَسَلَّمَ اللهِ عَلِيمات اللهِ عَلَيْهِ اللهِ وَاصْعَالِهِ وَسَلَّمَ اللهِ وَاصْعَالِهِ وَسَلَّمَ اللهِ وَاصْعَالِهِ وَسَلَّمَ اللهِ وَاصْعَالِهِ وَسَلَّمَ اللهِ وَاصْعَالِهِ وَاسْعَالِهِ وَاللّهِ عَلَيْهِ وَسَلَّمَ اللهِ وَاصْعَالِهِ وَاسْعَالِهِ وَاللّهِ وَاصْعَالِهِ وَاللّهِ وَاللّهِ وَاللّهِ وَاللّهُ وَسَلّمَ اللّهِ وَاللّهُ وَسَلّمُ اللّهُ عَلَيْهِ وَسَلّمُ اللّهُ عَلَيْهِ وَاللّهُ اللّهُ عَلَيْهِ وَاللّهُ عَلَيْهِ وَاللّهُ عَلَيْهِ وَاللّهُ اللّهُ عَلَيْهِ وَاللّهُ عَلْهُ عَلَيْهِ وَاللّهُ عَلَيْهِ وَاللّهُ عَلَيْهِ وَاللّهُ عَلَيْهِ عَلَيْهِ وَاللّهُ عَلْمُ اللّهُ عَلَيْهِ وَاللّهُ عَلَّمُ عَلَّهُ عَلَّهُ عَلَيْهِ وَاللّهُ عَلَّهُ عَلَّهُ عَلَيْهِ وَاللّهُ عَلَيْهِ وَاللّهُ عَلَيْهِ وَاللّهُ عَلَيْهِ وَاللّهُ عَلَيْهِ وَاللّهُ عَلّمُ عَلَيْهِ وَاللّهُ عَلَّهُ عَلَّهُ عَلَيْهِ وَاللّهُ عَلَّهُ عَلَيْهُ وَاللّهُ عَلَّهُ عَلَيْهُ عَلَّا عَلَيْهُ عَلَّهُ عَلَّا عَلّمُ عَلَّا عَا
                                                                                                                                                                                                                                                                                        أخلاق وآداب
                                                                                                                                                                                                                                                                                                                                         باب جہارم:
                                                                (پ) اخلاقی رذا کل ہے اجتناب
                                                                                                                                                                                                 (الف) اجمّاعي خير خوابي اوراحتر ام إنسانيت
                                                                                                                                                                                                       (ج) معاشرتی تعلقات کے اخلاق و آداب
                                                                                                                                                                                                                                                              حسن معاملات ومعاشرت
                                                                                                                                                                                                                                                                                                                                       باب پنجم:
                                                                                                                                              (الف) حقوق العباد (اساتذه كرام، معاون عمله، زوجين، اولاد، بيوه)
                                                                                                                                                                                                                               (ب) وراثت کی اسلامی تعلیمات
                                                    نكاح وطلاق كي اسلامي تعليمات
                                                                                                                                (5)
                                                                                                                                                                                                                                باب ششم: ہدایت کے سرچشمے اور مشاہیر اسلام
                                    (ب) ائمه اہل بیت اطہار رَضِيَ اللّٰهُ تَعَالَٰعَنْهُمْ
                                                                                                                                                                                                                                                      (الف) خلافت راشده
                                   (ح) صُوفِيه كرام رَحْمَةُ اللهِ عَلَيْهِمْ (بيرسيد مهر على شاه رَحْمَةُ اللهِ عَلَيْهِ، ميان شير مُحد شرقبوري رَحْمَةُ اللهِ عَلَيْهِ)
                                                                                                                                                                                                                                                                                                                                              باب هفتم:
                                                                                                                                                                                                                         اسلامی تعلیمات اور عصر حاضر کے تقاضے
    (ب) نظام اسلام کی نشاۃ ثانیہ اور مسلمانوں کی ذمہ داریاں
                                                                                                                                                                                                                                        (الف) قانون کی پاسداری
                                                                                                                                                                                                               (ج) اسلامو فوبيا اور جاري ذمه داريال
                                                                                                                                                                                                  مجوزہ کتاب اسلامیات(لازمی)برائے(گیارہویں جماعت)
                              مصنفین: • پروفیسر ڈاکٹرشہباز منج • ڈاکٹر فخر الزمان • پروفیسر ڈاکٹر محمد اکرم ورک • ڈاکٹر شاہ عبدالرؤف
                                  • ڈاکٹر محمد منشاء طیب
                                                                                                        • ڈاکٹر محمد اویس سرور • محمد صفدر حاوید • ڈاکٹر سلطان سکندر
                                                                                                                                                           ناشر: حسن بك سنشر، لا مور مطبع: شخصيت يرنظر ز، لا مور
                                                                                                                                                                                        برائے: پنجاب ایجو کیشن، کریکولم، ٹریننگ اینڈ اسمنٹ اتھارٹی
                                                                                                                                                             ♦----♦
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PAKISTAN STUDIES (Compulsory)

Marks: 50 CLASS XII Time: 2:00 hours

Chapter 1. ISLAM AND PAKISTAN

- 1. Islam as the Ideological Base of Pakistan
- 2. The Sunnah of Hazrat Muhammad خَاتَهُ النَّهِ بِيِّنَ مِنْ لِلْفُعَلِيْدِ وَعَلَيْ اللهِ وَالْمِعَالِينَ مِنْ اللهِ وَالْمِينَ اللهِ وَالْمِعَالِينَ مِنْ اللهِ وَالْمِعَالِينَ مِنْ اللهِ وَالْمِعَالِينَ وَعَلَيْهِ اللهِ وَالْمِعَالِينَ مِنْ اللهِ وَالْمِعَالِينَ وَعَلَيْهِ اللَّهِ وَالْمُعَالِينَ وَعَلَيْهِ اللَّهِ وَالْمُعَالِينَ وَعَلَيْهِ اللَّهِ وَالْمُعَالِينَ وَعَلَيْهِ اللَّهِ عَلَيْهِ وَاللَّهِ وَالْمُعَالِينَ وَعَلَيْهِ اللَّهِ عَلَيْهِ اللَّهِ وَالْمُعَالِينَ وَعَلَيْهِ اللَّهِ وَالْمُعَلِّينِ وَاللَّهِ وَاللَّهُ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَلَّهُ وَاللَّهِ وَاللَّهُ وَاللَّهِ وَلَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهُ وَاللَّهِ وَاللَّهُ وَاللَّالِمُ وَاللَّهُ وَال
- 3. Basic Principles of Islam
- 4. Definition and Funcitons of an Islamic Welfare State
- 5. Basic Principles of an Islamic Welfare State
- 6. Pakistan as a Modern Islamic State Delineated by Quaid-e-Azam Muhammad Ali Jinnah (جية اللهوعكية), Allama Muhammad Iqbal (جية اللهوعكية), Liaqat Ali Khan and Objectives Resolution
- 7. Objectives Resolution
- 8. Islam and Modernism
- Promotion of Peace, Tolerance and Co-Existence in Islam

Chapter 2. POLITICAL AND CONSTITUTIONAL DEVELOPMENT

- 1. Progress and Problems of Democracy in Pakistan
- 2. Role of Political Parties in Promoting of Decmocracy in Pakistan
- 3. Salient Features of the Constitution of 1956
- Salient Features of the Constitution of 1962
- 5. Reasons and Impacts of Separation of East Pakistan
- 6. Salient Features of the Constitution of 1973
- 7. Federal Structure under the Consitution of 1973
- 8. Structure of Provincial Governments
- 9. Role of Judiciary in Pakistan under the Constitution of 1973
- **10.** Fundamental Rights under the Constitution of 1973
- 11. Islamic Provisions under the Constitution of 1973
- **12.** Important constitutional Amendments

Chapter 3. ADMINISTRATIVE SYSTEM

- **1.** Functions of Federation and Provinces in the Light of the Constitution of 1973
- 2. Difference between Function of Central and Provincial Governments
- Administrative Structure and Functions of Azad Jammu and Kashmir and Gilgit Baltistan
- **4.** Nature of the Relationship between the Federal and Provincial Governments
- Relations between the Federation and the Provinces
- 6. Mutual Relationship between Provincial and Local Governments
- 7. Structure of Different Levels of Local Government
- 8. Rural Areas
- 9. Urban Areas
- 10. Functions of Local Governments at Various Levels
- 11. Functions of the Metropolitan / Municipal Corporation

Chapter 4. HUMAN RIGHTS

- 1. Concept of Human Rights
- 2. Islamic Concept of Human Rights
- 3. Citizen's Rights in Islam
- 4. United Nations Universal Declaration of Human Rights
- **5.** Comparison of the Rights Granted under the Constitution of Pakistan and the Human Rights of the United Nations
- 6. Nature of Basic Human Rights in Pakistan
- 7. Human Rights at National and International Level

Chapter 5. EDUCATION SYSTEM OF PAKISTAN

- 1. Concept of Education
- 2. Goals of Education System of Pakistan
- **3.** Main Features of Education System of Pakistan (Primary, Elementary, Secondary, Higher Secondary and Professional Education)
- 4. Professional, Technical and Vocational Education in Pakistan.
- **5.** Education System of Pakistan with Reference to General Education
- 6. Concept of Education in Pakistan
- 7. Challenges of Education in Pakistan
- 8. Suggestions for Resolving Educational Problems

Chapter 6. SPORTS AND TOURISM

- 1. Importance of Sport in a Society
- 2. Profile of Pakistan in World Sports
- 3. Indoor Games
- 4. Indigenous Games of Pakistan
- 5. Other Games

Prescribed Book: Pakistan Studies (Urdu & English Version)

Authors: 1.Prof. (R) Dr. Sultan Khan **2.**Prof. Dr. Nouman Aftab Dar

3.Prof. Dr. Amir Ali **4.**Prof. Rana Muhammad Asghar Meo

Published by: Eagle Book Centre, Mandi Bahauddin

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اخلاقیات لازی (ETHICS)

(غير مسلموں كيلئے متبادل تَرْجَمَةُ القُرْ آنِ الْمَحِيْدِ)

کل تمبر 50	(برائے جماعت گیار ہویں)	وتت: 2:00 گھنٹے

مذہب کی تعریف مختلف ماہرین کی نظر میں مذہب کی جامع تعریف 1- مذاهب كاتعارف مذہب کی ساجی، فلسفیانہ اور نفسیاتی تفہیم مذہب پر معاشرے کے اثرات 2- ياكتان مين مختلف مذابب اسلام معاشرتی ادارے(• ریاستی ادارے • ساجی ادارے) اجتماعي عدل اور مساوات 3- اخلاقی اقدار کام کی جگہ کے آداب 4- آداب ملا قاتی کے آداب خدمت گارکے آداب عبدالستار ايدهي جمشید سر وان جی مهتا 5- مشاہیر مدرٹریپیا 6- فرہنگ مصنفين: ڈا کٹر عبد اللّہ شاہ ہاشمی ڈاکٹر محمر شفیع مر زا الفيصل ناشران كتب، لا هور ناشر:

اخلاقیات لازی (ETHICS)

(غير مسلمول كيك متبادل تَرْجَمَةُ الْقُرُ آنِ الْمَجِيْدِ)

کل نمبر 50	ین)	(برائے جماعت بار ہو	ونت: 2:00 گھنٹے
مذہب اور دین میں فرق	مذہب اور دین کی تعریف	ہب کی تعریف مختلف ماہرین کی نظر میں	1- نههب کاتعارف نه
	مذهب اور سائنس	عدتِ ادیان کا تصور	• •
سکھ مذہب	زر تث مذ هب	اتن د <i>هر</i> م / <i>ہندود هر</i> م	2- پاکستان میں مختلف مذاہب ۔۔
	کام کی جگه پروقت کی اہمیت	عاشر تی ادارے (مذہبی / تعلیمی)	3- اخلاقی اقدار م
ماتحت عمله اور آداب	انتظاميه اور آداب	م کی جگہ کے آداب	4- آداب
نجيب محفوظ	ڈا کٹر محمد یونس	سن منڈ یلا	5- مثاہیر نیا
			6- فرہنگ
	ڈاکٹر محمد شفیع مر زا	كٹر عبد الله شاہ ہاشمی	مصنفین: وَا
		ب سيلز انشر ميشنل، لا ہور	
	•		

تَرْجَمَةُ الْقُرْآنِ الْمَجِيْدِ

کل نمبر:50	یارٹ۔ا(جماعت گیارہویں)	وتت:02:00 گھنٹے

فهرست عنوانات

- 1- قرآن مجید کے آداب
- 2- بدایات برائے اساتذہ کرام
 - 3- مقاصد تدريس
- 4- سُوْرَةُ الْبَقَرَةِ: تعارف اور خصوصيات
- 5- سُوْدَةُ الْبَقَرَةِ: مضامين اور اہم نكات
 - 6- سُوْرَةُ الْبَقَرَةِ: متن وترجمه
 - 7- سُؤرَةُ الْبَقَرَةِ: مش
- 8- شُوْرَةُ ال عَمْرِنَ: تعارف اور خصوصيات
- 9- سُوْرَةُ ال عَمْرِينَ: مضامين اور اہم نكات
 - 10- سُوْرَةُ ال عَنْمِ نَ: متن وترجمه
 - 11- سُوْرَةُ الْ عَبْرَنَ: مثق
- 12- سُوْرَةُ الْأَنْفَالِ: تعارف اور خصوصيات
- 13- سُوْرَةُ الْاَنْفَالِ: مضامين اور اجم نكات
 - 14- سُوْرَةُ الْأَنْفَالِ: متن وترجمه
 - 15- سُؤرَةُ الْاَنْفَالِ: مثق
- 16- سُوْرَةُ الْتَوْبَةِ: تعارف اور خصوصيات
- 17- سُوْرَةُ الْتَوْبَةِ: مضامين اور ابهم نكات
 - 18- سُوْرَةُ الْتَوْبَةِ: متن وترجمه
 - 19- سُوْرَةُ الْتَوْبَةِ: مثق
 - 20- ماڈل پیر برائے جماعت گیار ھویں
 - 21- رموزاو قاف قرآن مجيد
 - 22- تصديقي سرطيفكيك

درس کتب کانام: تَرْجَمَةُ الْقُرْآنِ الْمَجِيْدِ (برائے گیار ہویں جماعت) نک دویلیر: جدید ایجو کیشنل سروسز، الاہور

تَرْجَمَةُ الْقُرْآنِ الْمَجِيْدِ								
کل نمبر:50	پارٹ۔ (جماعت بار ہویں)		وقت:02:00 گھنٹے					
	فهرست ِعنوانات	- 1						
	ے آداب	تلاوتِ قر آن مجيد _	-1					
		عمومی ہدایات	-2					
		حاصلاتِ تعليم	-3					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُ النِّسَآءِ:	-4					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُ الْمَآبِلَةِ:	-5					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُ النُّوْدِ:	-6					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُالْاَحْزَابِ:	-7					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُ مُحَتَّدٍ:	-8					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُالْفَتُحِ:	-9					
	نارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُاكُخُرْتِ:تَع	-10					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُاكُعَدِيْدِ:	-11					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُالنُهُجَادَلَةِ:	-12					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُاكُخَشُرِ:	-13					
	: تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُ الْمُمُتَّعِنَةِ:	-14					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُالصَّفِّ:	-15					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُ الْحُبُمُعَةِ:	-16					
	: تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُ الْمُنْفِقُونَ	-17					
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُالتَّغَابُنِ:						
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُ الطَّلَاقِ:						
	تعارف ،مر کزی موضوع اور بنیادی مضامین	سُورَةُالتَّحُرِيُمِ:						
		ماڈل پیپر	-18					
		رموزاو قاف	-19					
		سرطيفكيك	-20					
	محمد صفدر جاوید	ڈاکٹر فخر الزمان	مضنفين:					
	يْدِ (برائے بار ہویں جماعت)	جَمَةُ الْقُرْآنِ الْمَجِ	درس كتب كانام: تَدُ.					
	رۇ ، لا بەور ♦ ♦	ولم اینڈ ٹیکسٹ ٹبک بور	تيار كرده: پنجاب كريك					

HISTORY

There will be two papers of 100 marks each

پارك-1 (جزاول عهدر سالت، جزدوم خلافت راشده، جزسوم بنواميه) (جزاول عهدر سالت، جزدوم خلافت راشده، جزسوم بنواميه)

يارك-١١ بغداد كي خلافت بنوعباس بغداد كي خلافت بنوعباس

يا

اندلس میں مسلمانوں کی حکومت اندلس میں مسلمانوں کی حکومت

محوزه کتاب: یارث - ا تاریخ اسلام مطبوعه سر حد شیکسٹ بک بورڈ، پیثاور

(جو پنجاب ٹیکسٹ بک بورڈ ،لا ہور کے سیل ڈیوسے میسر ہے)

آپشii - تاریخ اسلامی هند

يارث-ا (عهد سلاطين ۱۲ تا ۱۵۲۲)

يارث-۱۱ (عهدمغليه ۱۵۲۲ تا ۱۸۵۷)

تاریخ اسلامی هند (عهد سلاطین)

ناشر: میمنیکل پبلشر ز،ار دوبازار،لاهور (برائے پنجاب ٹیکسٹ بک بورڈ،لاهور)

آپشنiii_ تاریخ پاکستان

يارف-ا (١٨٥٤ء تا١٨٥٤ء)

يارك-١١ (١٩٩٤ء تا١٩٧٣ء)

آپشiv_i تاریخ جدید دنیا

يارك-ا (١٩٠٨ء ١٩٥٥)

بارك-۱۱ (۱۹۴۵ء تا۱۵۷۹ء)

نوٹ:۔اوپر دیے گئے Options میں سے ایک Option لینا ہوگا۔

CURRICULUM OF ISLAMIC HISTORY

Sequence Chart: Paper-I Per-Islamic Arabia Marks: 100 Time: 3 Hours

CHAPTER-I

lap of the orld showing ne location of
rabia.
lap of Asia.
lap of Arabia.
lap of Africa.
Group
eminars
ra 1a 1a Sr

AFFECTIVE

To create feelings of repulsion against all that is evil and immoral Appreciation of the re-deeming features of the Arabian Society them Psychomoter Skill to draw map of Arabia.

خَاتَهُ النَّهِ بِيِّنَ اللَّهُ عَلَيْهِ وَعَلِي EARLY LIFE OF RASULULLAH خَاتَهُ اللَّهِ وَإِنْ اللَّهِ وَالم

Chapter-II

OBJECTIVE

COGNITIVE

1. Knowledge of the earty life of Rasulullah خَاتُهُ النَّهِ يَنَ صَلَّى اللهُ عَلَيْهِ وَعَلَى وَعَلَى وَعَلَى وَعَلَى وَعَلَى وَعَلَى وَعَل Knowledge of his family

2. background.

Acquaintance with the

3. noblest virtues of خَاتُمُ النَّبِيِّنَ صَلَّى اللهُ عَلَيْهِ وَعَلَى Rasulullah Significance of the first revealed word.

CONCEPTS

- 2. Trust
- 3. Worthiness Care for oppressed

CONTENTS 1. Truthfulness 1. Birth and family

background of كَاتُمُ النَّبِيِّنَ صَلَّى اللهُ عَلَيْهِ وَعَلَى Rasulullah

2. Before of NUBUWAH

WEIGHT

AGE

3. After declaration of **NUBUWAH**

Genealogy of خَاتَمُ النَّرِيِّنَ الْمُوَاللَّهُ عَلَيْهِ وَعَلَى Rasulullah خَاتَمُ النَّرِيِّنَ الْمُواللَّهِ وَاللَّهُ عَلَيْهِ وَاللَّهِ اللَّهُ عَلَيْهِ وَاللَّهِ عَلَيْهِ اللَّهِ عَلَيْهِ وَاللَّهِ عَلَيْهِ اللَّهِ عَلَيْهِ اللَّهُ عَلَيْهِ وَاللَّهُ عَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهُ وَعَلَيْهِ وَاللَّهُ عَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهُ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهُ وَعَلَيْهِ وَعَلَيْهُ وَعِلَى اللّهُ عَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعِلْمُ اللّهُ عَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعِلْهُ عَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعِلْهُ عَلَيْهُ وَعَلَيْهُ وَعِلْمُ وَاللّهُ وَاللّهُ عَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعِلْمُ اللّهُ عَلَيْهُ وَعَلَيْهُ وَعِلْمُ عَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعَلَيْهُ وَعِلْمُ عَلَيْهِ وَعَلَيْهُ وَعَلَيْهِ عَلَيْهُ وَعَلَيْهِ وَعَلَيْهِ عَلَيْهِ عَلَيْهِ وَعَلَيْهِ عَلَيْهِ عَلَيْهِ عَلَيْهِ عَلَيْهِ عَلَيْهِ عَلَيْكُوا اللّهُ عَلَيْهِ عَلِيهِ عَلَيْهِ عَلَيْهِ عَلَيْهِ upto Adnan Picture of Jable-e- Noor declaration Picture of Cave Hira.

RESOURCE MATERIAL

Picture of Place of birth of Rasulullah خَالَّهُ اللَّهِ مَا صَلَّى اللهُ عَلَيْهِ وَعَلَى وَعَلَى مَا اللَّهِ عَلَى اللهُ عَالَمُ اللهِ وَاصْحَالِهِ وَسَلَّم

Discussion Seminars

AFFECTIVE

4.

خَاتَهُ النَّهِ يِّنَ صَلَّى اللَّهُ عَلَيْهِ وَعَلَيْهِ To inculcate reverence and affection for Rasululla

خَاتَدُ النَّهِ يَنْ صَلَّى اللهُ عَلَيْهِ وَعَلَى Appreciation of the virtues of Rasulullah

To inculcate spirit to follow Rasulullah خَاتَهُ اللَّهِ بِيِّنَ صَلَّ لِللَّهُ عَلَيْهِ وَعَلَّى الم

PSYCHOMOTOR

- 1. Collect relevant information
- Skill to make chart.

1. Ability to pick out selected information

2. skill to draw maps of Saudi Arabia and Habsha.

PROGRESS OF ISLAM AT MAKKAH **Chapter-III RESOURCE WEIGHT OBJECTIVE CONCEPTS CONTENTS AGE MATERIAL** COGNITIVE 1. Knowledge of the various 1. Perseverance 1. Beginning of Mission 1. Charts: aspects of the Makkah life of and opposition from Chronological خَاتَهُ النَّهِ بِنَّ صَلَّى اللهُ عَلَيْهِ وَعَلَى Rasulullah خَاتَهُ النَّهِ بِنَ اللهُ وَاللهُ وَسَلَّمَ 2. Forbearance Quresh order of events from early life Unity Acquaintance with essence of Cohesion, 2. Early Muslims and their 2. the teaching of Islam. sufferings and Leadership, 2. Maps: Awareness of the great its importance. Elevation of showing the 3. sufferings of the early converts Humanimportant Significance of Miraj. 3. Emigrations to Capacities. areas and 4. Fulfillment of Habsha. cities and piedges. tribes of the **AFFECTIVE** Journey to Taif. Miraj peninsula. Appreciation for Tableegh. 1. To create spirit of self-sacrifice The pledges of Agaba 2. and self revival. 3. Panel **Importance** To prepare for undergoing discussion and خَاتُمُ النَّهِ بِيِّنَ صَلَّى اللهُ عَلَيْهِ وَعَلَى Rasulullah خَاتُمُ النَّهِ بِيِّنَ اللهِ وَاصْلَى اللهِ وَاصْلَى 3. sufferings for righteous Seminars **PSYCHOMOTOR** Makkah life, Teachings

PROGRESS OF ISLAM AT MADINA

Chanter-IV

PROGRESS OF ISLAW AT WIADINA						
OE	BJECTIVE	CONCEPTS	CONTENTS	WEIGHT AGE	RESOURCE MATERIAL	
	COGNITIVE					
	Knowledge of about Hijrat. Understanding. Importance of	Hijrat and Muwakhat.	Hijrat and its significance	е	The first written constitution of	
	Brotherhood.		Brotherhood		the world	
		Jihad	i- Mithaq of Madina			
3.	Acquaintance with the		ii- Battle of Badr, Uhad,			
	Ghazwat.	Dignity of Labour	Ahzab, Khyber,			
		0 ,	Hunain, Tabuk.			
4.	Knowledge about charter and	Adlo Ihsan	·			
	Treaties.		Relations with Jews.			
	11541156.	Forgiveness	Bait-e-Rizwan conquer			
	AFFECTIVE		of Makkah Message to			
1	Appreciation of the glorious	Duties towards	Rulers. Year of deputation	ons,		
••	services of the Early Muslims	Allah, Right &	farewell (Pilgrimage)			
	towards the cause of Islam	Duties of human	the last sermon and			
	under adverse circumstances.	beings.	Its significance.			
2.	Appreciation of Brotherhood.					
	Awareness of obedience and					
	loyalty to the commands of					
	ALLAH and his Prophet					
	خَالَكُمُ النَّهِ بِنَّ صَلَّى اللهُ عَلَيْهِ وَعَلَى اللهُ عَلَيْهِ وَعَلَى اللهُ عَلَيْهِ وَعَلَى					

PSYCHOMOTOR

1. Ability to draw maps of all the battles.

كَاتَدُوالنَّهِ بِّن َ اللَّهِ عَلَيْدِ وَعَلَى اللَّهُ عَلَيْدِ وَعَلَى الْكُولِين اللَّهِ عَلَيْدِ وَعَلَى ال

Chapter-V

OBJECTIVE

COGNITIVE

- 1. Knowledge of the various aspects of the personality of خَاتُمُ النَّهِ بِينَ صَلَّى اللهُ عَلَيْهِ وَعَلَى Rasululah خَاتُمُ النَّهِ بِينَ اللهِ وَإِضَاءً
- 2. Knowledge of his contribution towards the betterment of human society.
- 3. Recognition of Holy As a خَاتُمُ النَّرِيِّ صَلَّى اللهُ عَلَيْهِ وَعَلَى As a world leader.
- 4. Knowledge of Islam as a complete code of life.

CONCEPTS

Equality. Fraternity.

Care for slaves. Emancipation slave.

Education.

Human relations.

Transformation of society.

Uplift of status of women and other

oppressed sections of the society.

(iii) As a founder of Ummah

(i) As a prophet.

(ii) As a perfect man

(iv) As an Administrator, Preacher and Educator.

(v) Law giver

(vi) As a general As a statesman

CONTENTS WEIGHTAGE RESOURCE MATERIAL

Book on

Seerat-un-Nabi.

خَاتَهُ النَّيْرِيِّ لَيْهُ عَلَيْهِ وَعَلَى لِللهُ عَلَيْهِ وَعَلَى لِللهُ عَلَيْهِ وَعَلَى

AFFECTIVE

- 1. Appreciation for the equality and fraternity preached by the Holy Prophet خَاتَهُ النَّهِيِّ صَلَّ لِلْمُعَلِيْنِ مَلِّ لِلْمُعَلِيْنِ اللَّهِ وَعَلَيْهِ مِنْ اللَّهِ وَعَلِيهِ مِنْ اللَّهِ وَعَلَيْهِ اللَّهِ وَعَلَيْهِ مِنْ اللَّهِ وَعَلَيْهِ مِنْ اللَّهِ وَالْعَلِي اللَّهِ وَعَلَيْهِ مِنْ اللَّهِ وَمِنْ اللَّهِ وَالْعَلِيْنِ اللَّهِ وَمِنْ اللَّهُ وَمِنْ اللَّهِ وَمِنْ اللَّهِ وَمِنْ الللَّهُ وَمِنْ الللَّهُ وَمُلْقِولِهُ مِنْ الللْعُولِي الللَّهِ وَمِنْ اللَّهُ وَمِنْ الللللِّهُ وَمِنْ الللللْعُ عَلَيْهِ وَمِنْ الللللِيقِينَ الللللْعُلِيْنَالِي الللللْعُولِي اللللْعُلِيْنِ الللْعِلْمِينَالِي اللللْعِلَى الللللِيقِينَ اللْعَلِيْنِ الللْعَلِيْنِ اللْعِلْمُ اللَّهِ وَمِنْ الْمُعْلِي وَمِنْ اللْعِلْمُ اللَّهِ وَمِنْ الْمِنْ اللَّهِ وَمِنْ اللْعِلْمُ لِللْعِلْمِ الللْعِلْمِ الللْعِلْمِ اللللْعِلْمِ اللللْعِلْمُ اللَّهِ وَالْمُعِلِمُ اللْعِلْمِ الللْعِلْمِ اللْعِلْمِ الللْعِلْمِ الللِّعِلْمِ الللْعِلْمِ اللللْعِلْمِ الللْعِلْمِ الللْعِلْمِ الللللْعِلْمِ الللللِيقِيْمِ اللْعِلْمِ الللْعِلْمِ اللللْعِلْمِي اللللْعِلْمِ اللللْعِلْمِ اللللْعِلْمِ الللللْعِلْمِ الْعِلْمِي الْعِلْمِ اللللْعِلْمِ الللللْعِلْمِ الللللْعِلْمِ اللْعِلْمِ الللْعِلْمِ اللْعِلْمِ الْعِلْمِ الْعِلْمِ الللْعِلْمِ الْعِلْمِي الْعِلْمِ الْعِلْمِ الْعِلْمِ الْعِلْمِ الْعِلْمِ الْعِلْمِ الْعِلْمِ الْعِلْمِ اللْعِلْمِ الللْعِلِمِ الللْعِلْمِ الللْعِلْمِ اللللْعِلْمِ الللْعِلْمِ الللْعِلْمِ الللْعِلْمِ اللْعِلْمِ الْع
- 2. Appreciation for the status of woman in Islam.
- 3. Learning to lead life according to Sunnah

PSYCHOMOTOR

- 1. Ability to acquaint Seerat-un-Nabi. خَاتُكُوالنَّهِيِّنَ مَسُولُ اللَّهُ عَلَيْهُ وَعَلَى اللَّهُ عَلَيْهُ وَعَلَى اللَّهُ عَلَيْهُ وَعَلَى اللهِ عَلَيْهِ عَلَى اللهُ عَلَيْهِ عَلَيْهُ عَلَيْهِ عَلِيهِ عَلَيْهِ عَلَيْهُ عَلَيْهِ عَلَيْهِ عَلَيْهُ عَلَيْهِ عَلَيْ
- 2. Capability to deliver speeches on Seerat-un-Nabi. خَاتَهُ النَّهِ بِيَّنَ مِثْلُ اللهُ عَلَيْهِ وَعَلَى
- Ability to pickout relevant information on Seerat-un-Nabi. خَاتَوُاللَّهِ بِينَ مَثَلَ اللَّهُ عَلَيْهِ وَعَلّ

PART-I KHILAFAT-E-RASHIDAH

Chapter-IV

CONTENTS **OBJECTIVE** CONCEPTS WEIGHTAGE **RESOURCE MATERIAL COGNITIVE** Khilafat-e- 1. Being one 1. CHARTS Khilafat **1.** Knowledge of the status of the (Shura) Rashidah portion of three (a) Chronological order of events companions of parts 33/100 under the Caliphs. كَاتُمُ النَّبِيِّنَ صَلَّى اللهُ عَلَيْهِ وَعَلَى Rasulullah Spirit of Jihad are being (b) Conquest and assigned to this 2. Knowledge regarding the expansion in part. 3. Preaching succession of the Pious chronological 2. Personalities of Islam Caliphs. order. **3.** Knowledge about the 9/33 2. MAPS sacrifices and efforts of the Spiritual and **3.** Jihad and (a) Showing routes of Caliphs towards Jihad. moral uplift of expansion 8/33 Jihad & conquests Establishment of righteous the society. 4. Administration through arrows. society and welfare state. 8/33 4. Knowledge about the **(b)** Showing period Socio-**5.** Preaching of wise conquests of propagation of Islam and economic moral and expansion of the terntories, areas and their dunng Khalafat-e-Rashtdah. Justice. spiritual values consolidation. 5. Knowledge about the working 3. Group discussions. 8/33

AFFECTIVE

of shura.

- 1. Appreciation of the Spirit of Jihad.
- 2. Appreciation of the moral and spiritual up-lift of the society during Khilafat-e-Rashidah.
- 3. Appreciation of the efforts of the Pious Caliphs towards the Government machinery.

PSYCHOMOTOR

- 1. Drawing maps and charts.
- 2. Ability to participate in the group Discussion.
- 3. Ability to discuss salient features of Khilafat-e-Rashidah

PART-III UMAYYA

	OBJECTIVE		CONCEPTS	CONTENTS	WEIGHTAGE		RESOURCE MATERIAL
1.	COGNITIVE Knowledge of		Emergence of Ummayyas	Ummayyas of Damascus.	consisting of three		Charts
2.	Energence of Umayyas. Information about the important personalities of the period.	3.	Unity of Ummah Spirit of Jihad Preaching of Islam.	Establishmen t Rise. Development	overall 30% weightage is given	(a)	Showing routes Jihad expeditons through arrow.
	Knowledge about the expansion of Islam in three continents.		Islamic Literature. Establishment of	and decline of Umayyas	to Ummayyas of Damascus details of which are as	(b)	Showing Period wise conquests of areas and their
4.	Knowledge about the various disciplines during Umayyas.		comprehensive system of administration		follows. (i) Personalities of rulers	3.	consolidation. Group Discussion.
1.	AFFECTIVE Appreciation of the Controvards Jihad conquests				Governor's Scholars and scientists 10/33.		Discussion.
	Islamic literature. PSYCHOMOTOR				(ii) Conquests and consolidation 5/33.		
2.	Drawing maps and charts Ability to participate in Pa	ane			(iii)Administration 5/33.		
3.	Ability to consult original	nis	ioricai sources.		(iv)Reforms 5/33. (v) Expansion of Islam 8/33		

Marks: 100 PART-II		Ol	OPT (1) ABBASI OF BAGHADAD					Time : 3 Hours
	OBJECTIVE		CONCEPTS	CONTENT S		WEIGHTAGE		RESOURCE MATERIAL
	COGNITIVE	1.	Khilafat.	Abbasi	1.	Personalities	1.	Charts
1.	Knowledge of emergence of	2.	Importance of	•		Rulers Ulemas		a. Chronology of
	the Abbasies.		early Abbasi	Baghdad		Scholars. 30%		events
2.	Knowledge about the		Caliphs in		2.	Administration /		b. Chronology
	important Personalities of the		Islamic			Reforms 20%		showing
	period.		History		3.	Cultural, literary		famous Ulema,
3.	Knowledge about literary,	3.	Relations			& Science		Fugha
	cultural and scientific		with			fields		Muhaddithin
	development during the		Byzantino			16%.		Scientists and
	period.		Empire The		4.	Orthodox		other writes.
_		4.	Crusades.			Scholar	2.	MAP
1.	AFFECTIVE		Development			Innovators		Maps showing
	Appreciation of the role of the		in the various		_	12%.		routes and battle
	Caliphs as patterns of arts,		fields of		5.	Relation with		fields during the
	literature and sciences.		Knowledge.			Christian		period of Salah
_						powers		Uddin Ayyubi.
	PSYCHOMOTOR				_	12%.	_	
2.	Drawing Maps and Charts.				6.	Integration of	3.	Panel Discussions
	Ability to participate in Panel					Ummah.		
	Discussions.							

3. Ability to consult original historical Source.

Marks: 100 PART-II OPT (II) MUSLIMS IN SPAIN

OBJECTIVE

COGNITIVE

- 1. Knowledge of the circumstances leading to the invasion and conquest of the
- 2. Penensula. Knowledge about the establishment of the Umayyas rules in Spain.
- 3. Knowledge about the spirit of jihad which led to the continuous warfare against the Christian of the North and even beyond the Pyrenees.
- 4. Knowledge of the important, Personalities

CONCEPTS

1. Invasion

- 2. Establishment of Umayyas Rule.
- 3. Spirit of Jihad.
- 4. Preaching of Islam
- **5.** Spirit of toleration **Towards Jews** and Christian.
- 6. Architecture.
- 7. Literature.
- 8. Scientific Development

CONTENTS

- of Spain
- 2. Causes of
 - Their decline.

WEIGHTAGE

- 1. Umayyas 1. PERSONALITIES
 - a. Rulers
 - **b.** Generals
 - c. Ulema
 - d. Scholars
 - e. Architects
 - f. Scientists 20%
 - 2. Conquests and Consolidation 10% 2. MAP
 - **3.** Administration 10%
 - 4. Reforms 12%
 - 5. Preaching of Islam 12%
 - 6. Toleration towards non-Muslims 8%
 - 7. Cultural Literary and scientific activities 10%
 - 8. Spirit of Jihad 10%
 - 9. Impact of Islam on European civilization 10%

Time: 3 Hours

RESOURCE MATERIAL

- 1. Charts
 - (a) Chronology of events
 - (b) Chronology and expansion chronological order.

- (a) Showing routes of Jihad expeditions through arrows.
- (b) Showing period wise consequents of areas.
- 3. Group discussions

1. AFFECTIVE

Appreciation of the contribution by the Umayyas Caliphs of Spain towards jihad and assimilation of knowledge.

PSYCHOMOTOR

- 1. Drawing Maps and Charts.
- 2. Ability to participate in Panel discussion and debates.
- 3. Ability to consult original historical source



HISTORY OF MUSLIM INDIA

Marks: 100 CLASS-XI (PART I) Time: 3 Hours

CHAPTER - IADVENT OF ISLAM IN INDIA

Concepts

- 1. Advent of Islam being new code of life. Faith, discipline, Jihad, martyrdom
- 2. Muslim brotherhood
- 3. Succession
- 4. Consolidation
- 5. Tolerance
- 6. (The historical events will be discussed by emphasizing the above concepts)

Contents

- 1. Advent of Islam in India
- Advent of Islam in India from the period of Hazrat Muhammad خَاتَمُ النَّهِبِّينَ الْهِ وَاضْحَالِهِ وَاسْتَلَامُ لَلْمُ عَلَيْهِ وَمَلَى اللَّهِ عَلَى اللَّهُ عَلَى اللَّهِ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهِ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى الللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهِ عَلَى اللَّهُ عَلَى الللْهُ عَلَى اللَّهُ عَلَى اللللْهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللللْهُ عَلَى اللَّهُ عَلَى الللللْهُ عَلَى اللَّهُ عَلَى الللّهُ عَلَى الللّهُ عَلَى الللّهُ عَلَى الللّهُ عَلَى اللّهُ عَلَى اللّهُ عَلَى الللّهُ عَلَى اللّهُ عَلَى الللّهُ عَلَى الللّهُ عَلَى الللّهُ عَلَى اللّهُ عَلَى الللّهُ عَلَى اللّهُ عَلَى الللّهُ عَلَى ال
- Advent of Islam from 712 A.D. onwards. (Advent of Islam will be discussed in the socio-political perspective – the impact of change will be observed.

CHAPTER – II GHAZNAVI AND GHAURI DYNASTIES

Concepts

- 1. Ghaznavi Dynasty:
- 2. Sultan Mahmood Ghaznavi.
- 3. Ghauri Dynasty
- 4. Sultan Shahabuddin Muhammad Ghauri.

Contents

1. Sultan Mahmood Ghaznavi's Rule in the context of:

Early life – rise to power.

Expenditions and establishment.

Socio-cultural impact.

Fall of Ghaznavi Dynasty.

 Sultan Shahabuddin Muhammad Ghauri's rule in the context of: Early life. Rise to power, Conquests, Socio-cultural impact, Fall of Ghauri Dynasty

CHAPTER – III SLAVE DYNASTY Concepts

Turkish Sultans:

- 1. Consolidation of Muslim Rule.
- 2. Concept of gender equity.
- 3. Islamization process and some other social achievements during the period of last Turkish Sultan.

Contents

- 1. Role of Qutubud Din Aibak
- Altamash and Ghiasud Din Balban consolidating Muslim Rule.
 Specially socio-political and administrative aspects be emphasized.

Recognition by Abbasid.

- 3 Acceptance of female ruler Razia
- 4 Sultana her brave personality.
- During Nasir-ul-Din Mehmood's and Ghias-ul-Din Balban's period the important contribution:- Islamic provisions, Justice and equality, Concept of Kinship, Crushing rebellion

CHAPTER – IV KHILJI'S DYNASTY Concepts

Khiljis

- 1. Jalalud Din Khilji
- 2. Allaud Din Khilji

Contents

- Rise to power
- Personality as a general and restoration of law and order
- 3. Expenditions
- 4. Mangol and Dakan policy
- 5. Administrative control
- 6. Fiscal and agricultural reforms

CHAPTER -V TUGHLAQ RULE Concepts

- 1. Ghazi Malik Ghayasuddin
- 2. Muhammad Bin Tughlag
- 3. Feroze Shah Tughlaq
- 4. Amir Taimur

Contents

- 1. Rise to power
- 2. Personality characteristics
- Innovative schemes in the fields of administration and economy and resultant effects
- 4. Efforts for an Islamic Welfare State

CHAPTER -VI SAYYADS AND LODHIS

Concepts

- 1. Sayyads Dynasty
- 2. Social and administrative reforms of
- Lodhis Fall of Lodhis

Contents

- 1. Rise of Sayyads Dynasty
- Brief introduction of following rules in the perspective of rise of power reforms and consolidation: Bahlol Lodhi, Sikandar Lodhi, Ibrahim Lodhi.

1st battle of Panipat and fall of Lodhis

CHAPTER -VII OUTSTANDING FEATURES OF SULTANATE PERIOD Concepts Contents

- Sultanate period some outstanding features.
- 1. Role of Ulemas
- 2. Growth of new language
- 3. Influences of Islamic Architecture
- 4. The concept of Welfare state
- 5. Some glimpses of gender equity

CHAPTER – VIII THE EMERGENCE OF MUGHAL DYNASTY IN INDIA Concepts Contents

Mughal's Emergence:

- 1. Socio-political background
- 2. Zahirud Din Babar
- Conquests

- Socio-political scenario on the eve of Babar's Invasion.
- 2. Life in Central Asia and his personality characteristics Conquests of :
 - i. Delhi and Agra
 - ii. Battle of Panipat Kannuaj Chanderi

CHAPTER – IX NASIR UD DIN HAMAYUN AND SHER SHAH SURI Concepts Contents

- 1. Nasirud Din Hamayun
- 2. Sher Shah Suri
- 3. Recapture of Hamayun
- 1. Hamayun's accession to power and difficulties.
- 2. Conflict with Sher Shah and exile-escape to Iran and Afghanistan
- 3. Personality characteristics
- 4. Administrative, fiscal and agricultural reforms and works for public welfare
- 5. The fall of Suri
- 6. Determination of Hamayun and recapture-battle of Sarhad
- 7 End of Hamayun rule.

CHAPTER – X JALAL UD DIN MUHAMMAD AKBAR Concepts Contents

- 1. Accession
- 2. Expansion of his empire
- 3. Policies to strengthen the empire
- 4. Reforms

- 1. His early life and influence of Bairam Khan.
- 2. The second battle of Panipat
- Conquests- Agra, Delhi, Gawaliar, Ajmair, Rajistan, Gujrat, Bengal, Kabul, North Western area, Kashmir, Sindh, Balochistan, Uressa, Kandhar.
- 4. Religious policies, Din-e-Elahi.
- 5. Rajput policy
- 6. Daccan policy
- 7. Administrative and revenue reforms
- 8. Art and literature.

CHAPTER - XI NOOR UD DIN MUHAMMAD JEHANGIR

Concepts

- 1. Accession
- 2. Noor Jehan's role
- 3. Some other revolts and problems
- 4. Justice
- 5. His commitments with Ulemas

Contents

- Accession and role of Ulema especially of Mujadid Alif Sani.
- Khurram's revolt.
- Charactiristics of Noor Jehan's
 Personality and her role in administrative
 affaris
- 4. Khurram's and Mehabbat Khan's revolts. Problems in Daccan.
- 5. Jehangir's justice-equity for all.
- 6 Implementation status on the demands of
- 7. Ulemas in relation to his initial commitments, specially about Din-e-Elahi

CHAPTER -XII SHAHAB-UD-DIN MUHAMMAD SHAHJEHAN

Concepts

Shahjehan

- 1. Contributions
- 2. Expeditions
- 3. End of Shahjehan's period

Contents1. Revenue collection system

- 2. Administrative
- 3. Architecture
- Expeditions: Daccan, Central Asia
 War of succession among his sons and his confinements

CHAPTER – XIII MOHIY-UD-DIN AURANGZEB ALAMGIR Concepts Contents

- Concepts

 1. Accession
- 2. Contributions

- 1. His early life and accession.
- 2. Islamization process and its impacts
- 3. Facing revolts of Jats, Sutnamis, Bandhalays, Sikhs, Rajputs, Marhatas
- 4. Annexation of Daccan States
- 5. His personal characteristics

CHAPTER - XIV OUTSTANDING FEATURE OF MUGHAL PERIOD

Concepts

- 1. Educational contribution
- 2. Reforms
- 3. Contribution towards world of Arts

Contents

- Introducing a new language.
- 2. Improving literacy.
- 3. Expansion of general and specialized education.
- 4. Anatomy of educational institutions.
- 5. Reforms in administrative set-up.
- 6. Revenue and fiscal reforms
- 7. Architecture.
- 8. Paintings and music.

محوزہ کتاب: تاریخ تعلیم اور عہد سلاطین برائے انٹر میڈیٹ کلاسز مصنفین: 1-شیخ محمد وفق 2-عبد الله ملک برائے پنجاب ٹیکسٹ بک بورڈ، لاہور



HISTORY OF PAKISTAN

Marks: 100 **PART I (**1857 TO 1947) Time: 3:00 hours

Chapter-I. TWO NATIONS THEORY IN SOUTH ASIA WITH SPECIAL REFERENCE TO THE IDEAS OF ALBERUNI, MUJADDID ALIF **SANI & SHAH WALIULLAH**

Chapter-II. WAR OF INDEPENDENCE, 1857:

- 1. Its causes.
- 2. Main events with special reference to the role of the people of the areas which now constitute Pakistan.
- 3. Aftermath, Govt. India Act, 1858. India Council Act, 1861.

Chapter-III. SIR SYED AHMED KHAN

- 1. His Political ideas and role: Urdu-Hindi controversy.
- 2. His Educational & Social Services.

Chapter-IV. RELIGIOUS & POLITICAL MOVEMENT

- Bhramo Samaj
 Arya Samaj
 Indian National Congress,
 Deoband 1885.
- 5. Nadvatul Ulama

Chapter-V. PARTITION OF BENGAL 1905

- Causes of the Partition
 Hindu reaction
 Hindu reaction
 Its Annulment,
- 3. Muslim reaction
- 4. Its Annulment, 1911

Chapter-VI. SIMLA DEPUTATION & THE BIRTH OF ALL-INDIAN MUSLIM LEAGUE

Chapter -VII. POLITICAL STRUGGLE 1. Govt. of India Act, 1892 2. Minto – Moreley Reforms, 1909 3. Luckhnow Pact, 1916 4. Government of India Act, 1919 5. Khilafat Movement 7. Jinnah's 14 points 8. All-Farties Muslim Conference

Chapter-VIII. ALLAMA IQBAL AND HIS ALLAHABAD ADDRESS, 1930

- Chapter-IX. CHAUDHARY REHMAT ALI & HIS CONTRIBUTION IN THE PAKISTAN MOVEMENT
- Chapter-X. ROUND TABLE CONFERENCE & THE GOVERNMENT OF INDIA ACT, 1935

 - 1. First Round Table Conference 2. Second Round Table Conference
 - 3. Third Round Table Conference 4. Communal Award
 - 5. Salient Features of Govr. India 6. Creation of Sind as a separate 1935 Act
 - Province.
- Chapter-XI. ELECTION OF 1937 & CONGRESS MINISTRIES: Formation of congress Ministries; and their anti-Muslim Policies
- Chapter-XII. REORGANIZATION OF MUSLIM LEAGUE UNDER QUAID-I-AZAM.
- Chapter-XIII. THE LAHORE RESOLUTION, 1940

Chapter-XIV. TOWARDS PAKISTAN

- 1. Cripps Mission
- 3. Elections of 1945-46
- 3. Elections of 1945-465. Third June, 1947 Plan4. Interim Government6. Birth of Pakistan
- 2. Cabinet Mission
 - 4. Interim Government

محوزه كتاب: تحريك پاكستان برائ انثر ميڈيث كلاسز مصنفين: 1-شيخ محرر فيق 2-عبدالله ملك Marks : 100 PART II (1947 TO 1973) Time : 3 Hours

Chapter-I. ESTABLISHMENT OF PAKISTAN & ITS EARLY PROBLEMS

- 1. Refugee Problems
- 2. Administrative & Economic Problems
- 3. Kashmir Issue and Water Dispute

Chapter-II. POLITICAL & CONSTITUTIONAL DEVELOPMENTS 1947-58

- 1. First Constituent Assembly & Objectives Resolution
- 2. Second Constituent Assembly: Consititution of 1956 and its working
- 3. Formation of One Unit

Chapter-III. AYUB ERA

- 1. Causes of the imposition of Martial Law, 1958 2. Constitution of 1962
- 3. Ayub's Reforms

4. Indo-Pak War 1965

Chapter-IV. YAHYA'S MARTIAL LAW

- 1. Dissolution of One Unit
- 2. Elections of 1970

Chapter-V. CONSTITUTIONAL CRISIS OF 1971 & THE SEPARATION OF EAST PAKISTAN

- Six points of Sheikh Mujeeb ur Rehman
- 2. Indian Intervention in East Pakistan

3. Army Action

- 4. Indian Aggression
- 5. Separation of East Pakistan

Chapter-VI. PEOPLES PARTY GOVERNMENT

- 1. Immediate Problems
- 2. P.O.Ws. issue

3. Simla Agreement

4. The Constitution of 1973

Chapter-VII. FOREIGN POLICY



HISTORY OF MODERN WORLD

Marks: 100 PART I (1904 TO 1945) Time: 3 Hours

- 1. Introduction to Modern World (Geo-political)
- 2. Russo-Japanese War 1904-05. Its effects
- 3. Young Turks (1908)
- 4. First World War

i. Causes ii. Effects

5. Peace Treaties

i. Versaills ii. Sevres and Lausanne

6. League of Nations

i. Its formationii. Objectivesiii. Workingiv. Its success and failure

7. Russain Revolution of 1917

i. Causes ii. Events

iii. Effects and Results iv. Role of main leaders

8. Rise of Dictatorship in Europe

i. Italy ii. Germany

iii. Spain

9. Afro-Asian countries

i. Balfour Declaration and Palestine problem ii. Egypt and Arab Nationalism

iii. Syed Jamaluddin Afghani and Pan-Islamism iv. Modern Turkey

10. Second World War

i. Causes and effects

11. United Nations

i. The Atlantic charter ii. Objectives

iii. Organs of United Nations (General Assembly, Security Council, International Court of Justice, W.H.O. ILO., UNESCO, UNICEF, F.A.O

12. Personalities

Mustafa Kamal Atta Turk, Dr. Sun Yat Sen, Saad Zaghlol Pesha, Roosevelt, Churchill, Quaid-i-Azam, Allama Iqbal, Mr. Ghandi, Maulana Muhammad Ali Johar, Sir Syed Ahmed Khan.

Marks: 100 PART II (1945 TO 1975) Time: 3 Hours

- 1. Emergence of U.S.A. as world power
- 2. Rise of Modern China
- 3. Freedom movements in Asia, Africa and Middle East
- 4. Regional Defence Pacts

NATO, WARSAW, CENTO, SEATO

The Israel and the Arabs

The importance of oil and the world politics

Pakistan and the world with special reference to Islamic Countries

Indo-Pakistan relations

Personalities

i. Mao Tse-Tung ii. Chau-en-Lai Dr. Ahmed Soekarno iii. Jamal Abdul Nasir iv. Shah Faisal Eishenhower V. vi. viii. vii. J.L.Nehru Ho Chi Minh Gen. De-Gaulle Marshall Tito ix. Χ.

xi. Miss Fatima Jinnah



Weightage: 15%

Weightage: 10%

ECONOMICS

Marks: 100 CLASS-XI (PART I) Time: 3 Hours

CHAPTER - I NATURE AND SCOPE OF ECONOMICS

Concepts

1. Nature and scope of Economics

2. Definition and law of Economics

Contents

- A. IntroductionWants and satisfaction
- 2. Goods and services
- 3. Utility and scarcity
- 4. Economics problems and its nature
- 5. **Definition by:-** Adam Smith, Alfred Marshall, Loonier Robbins
 - B. Meaning of: Micro Economics,
- Macroeconomics, positive and normative economics.
- 2. Economic laws and their nature

CHAPTER - II CONSUMER'S BEHAVIOUR AND ITS ANALYSIS

Concepts

- 1. Consumer's behavior.
- 2. Utility approach
- 3. Indifference curve

Contents

- 1. Definition
- 2. Meaning
- 3. Rationale
- 4. The Law of dimineshing marginal utility with table and graph
- 5. The law of equimarginal utility or law of substitution with formula and diagram
- 6. Indifference curve
 - Definition and Characteristics (graphical presentation)

CHAPTER-III BASIC TOOLS OF STATISTICS AND MATHEMATICS IN ECONOMICS

Weightage: 5%

Concepts

- 1. Basic tools of statistics and Mathematics in economics
- 2. Equation

Contents

- i. Variables: Continuous, discontinuous, independent, dependent.
- ii. Liner equation with group
- iii. Quadratic equation
- iv. Simultaneous equations
- v. Statistical data its collection and tabulation

Weightage: 10%

Weightage: 10%

CHAPTER - IV DEMAND Concepts

Concepts

- 1. Law of demand and practical uses
- 2. Demand elasticity

Contents

- 1. Definition
- 2. Law of demand
- Demand function and functional equation of demand
- 4. Movement along with demand curve and shift in demand curve
- 5. Price elasticity of demand (Arc & point) and methods of measurement
- 6. Concepts of income elasticity and crosselasticity of demand
- 7. Factors influencing the elasticity of demand
- Practical uses of the concept of elasticity of demand

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CHAPTER -V SUPPLY Concepts

- 1. Law of supply and practical uses
- 2. Elasticity

Contents

- 1. Definitions stock and supply
- 2. Law of Supply
- Supply functions and functional equation of supply

- 4. Movement along with supply curve and shift in supply curve
- 5. Elasticity of supply and its measurement
- 6. Factors influencing the elasticity of supply
- 7. Practical uses of the concepts

CHAPTER -VI EQUILIBRIUM Concepts

1. Equilibrium in demand and supply etc.

Contents

- Concept of equilibrium
- 2. Equilibrium of demand and supply
- 3. Equilibrium in price and equilibrium in out put
- The effects on equilibrium in price and output put due to change in demand and supply
 Weightage: 10%

CHAPTER -VII THEORY OF PRODUCTION Concepts

- 1. Theory of production
- 2. Factors of Production

Contents

- 1. Meaning of production
- 2. Characteristics and importance of FOP
- 3. Factors of production:-
 - (a) Land
- (b) Labour
- (c) Capital (d) Organization

CHAPTER -VIII SCALES OF PRODUCTION AND LAWS OF RETURNS

Weightage: 5%

Weightage: 5%

Weightage: 5%

Weightage: 5%

Weightage: 10%

Concepts

- 1. Scales of production
- 2. Laws of Returns

Contents

Meaning

- 1. Scale of production
- 2. Economies and diseconomies internal and external
- 3. Merits and demerits of large scale (increasing, constant, diminishing) and their relation with the cost of production
- 4. Laws of production (increasing, constant, diminishing) and their relation with the cost of production

CHAPTER -IX COST OF PRODUCTION Concepts

- 1. Cost of production
- Relationships of different cost curves

Contents

- 1. Definition, classification, Fixed and variable.
- 2. Total, average and marginal cost
- 3. Relationship between total, average and marginal cost

CHAPTER -X REVENUE ANALYSIS Concepts

Application of Revenue curves in price and output determination

Contents

- 1. Definition
- 2. Total, marginal and average revenue under perfect competition and monopoly
- Price and output determination and short and long run under perfect competition and monopoly

CHAPTER -XI MARKET Concepts

Market
 Kinds of market

Contents

Meaning and significance of market

- 1. Perfect competition and monopoly
- 2. Short run and long run in perfect competition and monopoly

CHAPTER –XII DISTRIBUTION : FACTORS PRICING Weightage: 10% Concepts Contents

- 1. Factors pricing
- 2. Productivity

- Rent, meaning, Kinds and Recardian theory of rent
- Wages definition, meaning, and Kinds. Marginal productivity theory

- 3. Interest: Meaning and Kinds4. Profit : meaning and kinds
- 5. Difference between profit and interest

Recommended Book: Economics Part-I

Authors:1) Mahmood Ahmad Ch.2) Azra Ismat Ullah AwanEditors:1) Rubina Qamar Qureshi2) Muhammad Ikram Rana

Publisher: Muhammadi Publisher & Stationers, Lahore.

Marks: 100 CLASS-XII (PART II) Time: 3 Hours

MACRO ECONOMICS

CHAPTER -I NATIONAL INCOME

Concepts

- 1. National Income
- 2. When saving is equal to investment
- 3. Flow of National income
- 4. Per capita income

CHAPTER -II MONEY

Concepts

- 1. Barter system
- 2. Money
- 3. Value of money
- 4. Credit cards

CHAPTER -III BANKS Concepts

- 1. Bank
- 2. Commercial Bank
- 3. Interest

CHAPTER -IV PUBLIC FINANCE Concepts

- 1. Private finance
- 2. Public finance
- 3. Tax revenue
- 4. Public revenue in Pakistan

Contents

- 1. G.N.P, N.N.P, G.D.P, National Income
- 2. Methods of computing national income
 - I- Product method
 - II- Income methods
 - III- Expenditure methods
 - IV- Circular flow diagram
 - V- Concept of equilibrium: MPC, MPS, Y=C+S, Y=C+1
 - VI- Income where S=1

Weightage: 10%

Contents

- 1. Barter system and its difficulties
- 2. Evolution of money
- 3. Definition of money
- 4. Functions of money
- 5. Kinds of money
- 6. Instruments of money: (credit cards ATM, Traveler Cheques)
- 7. Demand for and supply of money
- 8. Value of money
- 9. Quantity theory of money (Fisher's equation)

Weightage: 10%

Weightage: 10%

Contents

- 1. Definition of Bank
- 2. Kinds and functions of Banks
- 3. Commercial Banks and their functions with particular reference to credit creation
- 4. Definition of interest
- 5. Interest free Banking in Pakistan
- 6. Case study of Malaysia, Kingdom of Saudi Arabia

Weightage: 10%

Contents

- 1. Public Vs private finances
- 2. Public revenue and tax culture
 - I- Tax and non-tax revenue
 - II- Principles of taxation
 - III- Kinds of taxation
 - a- Direct and indirect tax
 - b- Progressive and proportional
 - c- An analysis of public revenue in Pakistan

Weightage: 10%

CHAPTER -V INTERNATIONAL TRADE Concepts

- 1. Foreign trade
- 2. Domestic trade
- 3. Balance of payment
- 4. Balance of trade
- 5. Meaning and improving role
- 6. Globalization

Contents

- 1. Differentiation between domestic and foreign trade
- 2. Advantage and disadvantages of international trade
- 3. Classical theory of international trade
- 4. Balance of trade vs. Balance of payment
- 5. Globalization MNCs, TNCs, WTO

CHAPTER -VI INTRODUCTION TO PAKISTAN ECONOMY Weightage: 3% Concepts Contents

- 1. Meaning of economy of Pakistan
- 2. Components of Pakistan economy
- 1. Agriculture Sector
- 2. Trade and Industrial sector
- 3. Involvement of Stock Exchange
- 4. Education and Health Sector

CHAPTER -VII NATIONAL INCOME OF PAKISTAN Weightage: 10% Contents

Concepts

National Income GNP, GDP, NNP

Product, personal Income disposable,

Total Income

- 1. Its size and sectoral contribution
- 2. Difficulties in measurement
- 3. Causes of low per capita income
- 4. Tax Culture

CHAPTER -VIII ECONOMIC DEVELOPMENT AND PLANNING Weightage: 10% Concepts Contents

- 1. Economic Development and **Planning**
- 1. Concept of economic development
- 2. Problems of under development
- 3. Factors influencing development
- 4. Quality of life (living standard) with reference to Pakistan
- 5. Planning in Pakistan with reference to current five years plan
- 6. Importance and problems in agricultural and industrial sectors of Pakistan and their solution
- 7. Development of Industries

CHAPTER -IX COMMUNICATION AND HUMAN RESOURCE DEVELOPMENT

Weightage: 7%

Concepts

- 1. Communication and its significance
- 2. Mobility of labour population
- 3. Unemployment
- 4. Population education

Contents

- 1. Traditional communication system.e.g. roads, and transportation, Dry-ports, seaports etc.
- 2. Modern approaches
- 3. Computers and Information
- **Technology Motorway** i.
- ii. Role of communication in Pakistan's prosperity
- iii. Factors affecting productivity of labour
- 4. Mobility of labours its factors
- 5. Problems of high rate of population growth and need of population education
- 6. Population growth its effects and factors
- 7. Comparison with LPCs and MPCs
- 8. Labour force, its problem, facts and its remedies
- 9. Problems of unemployment and underemployment

Weightage: 5%

Weightage: 5%

Weightage: 5%

Weightage: 5%

CHAPTER -X BANKING IN PAKISTAN Concepts

Significance and functions of banks in Pakistan

Contents

- 1. Commercial Banks and their functions
- 2. Role of banking system in economic development
- State Bank of Pakistan, its functions and importance
- 4. Money market capital market
- 5. E-Commerce
- 6. Inflation Definition and types / causes, consequences and remedies with reference to Pakistan

CHAPTER -XI PUBLIC FINANCE OF PAKISTAN

Concepts

- 1. Public Finance
- 2. Revenue
- 3. Zakat
- 4. Ushr
- 5. Charity

Contents

- 1. Kinds of taxation in Pakistan
- 2. Sources of revenue
- 3. Heads of expenditure of Federal and Provincial governments with reference to latest budget
- 4. Zakat and its distribution
- 5. Ushr and charity as instruments of source of revenue and Social Justice

CHAPTER -XII FOREIGN TRADE OF PAKISTAN

Concepts

- 1. Exports
- 2. Import
- 3. Regional Organization
- 4. International Organization
- 5. Balance of payment
- 6. Foreign exchange rates

Contents

- 1. Major exports of Pakistan
- 2. Major imports of Pakistan
- 3. Balance of payments position of Pakistan
- Regional and international Organization their role towards Pakistan e.g. ECO, SAARC, WTO
- 5. Foreign exchange rates

CHAPTER -XIII ECONOMIC SYSTEM OF ISLAM

Concepts 1. Islamic Economic System.

2. Different economic system.

Contents

- 1. Elaboration of basic characteristics and instruments of Islamic
- 2. Economic System
- 3. Interest free Banking
- 4. Equality
- 5. Justice (Social and Economies), Goodness and Ehsan
- 6. Elimination of wealth concentration and wasteful consumption
- 7. Austerity/self contentment
- 8. Implication of ostentation and Hoarding.
- 9. Comparison between capitalism, socialism and Islamic system

Recommended Book: Economics Part-II **Authors:** 1) Mian Muhammad Akram

Editor: Rubina Qamar Qureshi
Publisher: Imtiaz Book Depot, Lahore.

2) Mahmood Ahmad Ch.



GEOGRAPHY

Part-I (Class-XI) Distribution of Marks: Part-II (Class-XII)

Theory: 85 Theory: 85

Total Marks: 200 Practical: 30

Marks: 85 (PART-I) CLASS-XI Time:3:00 Hours

PHYSICAL GEOGRAPHY

1. Physical Geography:

a. Definition, history and scope of Geography
 b. Introducing Physical Geography

c. Branches of Physical Geography d. Universe, Solar system and the

e. Land and Water distribution Earth

2. Structure of the Earth and Lithosphere:

a. Internal structure of the Earthb. Plate Tectonicsc. Volcanismd. Earthquakes

e. Rocks

3. Landforms:

a. Major Landforms: i: Mountains ii: Plateaus iii: Plains

b. **Denudation**: i: Weathering ii: Mass Wasting

c. Landforms made by riverd. Landforms made by glacierse. Landforms made by windf. Landforms made by waves

4. Atmoshphere:

a. Introduction: i: Composition of atmosphere ii: Structure of atmosphere

b. Atmosphere Temperature: i: Insolation

ii: Horizontal distribution of temperature iii: Vertical distribution of atmosphere

5. Global Circulation:

a. Atmospheric pressure b. Pressure distribution over the earth surface

c. Winds:

i: Relationship between pressure and wind
 ii: Planetary winds
 iii: Seasonal winds
 iv: Local winds
 d. Air masses and their types
 e. Fronts and their types

f. Cyclones and their types

6. Atmospheric Moisture:

a. Humidity b. Clouds

c. Precipitation

7. Ocean Movements:

a. Currents b. Tides

c. Waves

8. Climatic Regions:

a. Introduction

b. Major Climatic Regions:-

i: Equatorial Climatic Regionii: Tropical Climatic Regionii: Tropical Climatic Regioniv: Polar Climatic Region

LIST OF PRACTICALS FOR CLASS XI (PART-I)

1. Location

2. Directions: Methods of finding directions

3. Scale: Types of scale - Measurement of distance between two points by using map

4. Introduction to GIS, GPS and Remote Sensing

5. Relief Features: Methods of showing relief

6. Convectional Signs

(PART-II) CLASS-XII Marks: 85 Time:3:00 Hours

HUMAN GEOGRAPHY

1. Human Geography:

a. Definition and scope of Human Geography b. Branches of Human Geography

c. Earth as home for human being

2. Population:

a. Density and Distribution

b. Population growth

c. Structure and compositon of population

i. Age Group ii. Male-Female Ratio

d. Population Change:

i. Natural Increase (Birth/Deaths)

ii. Migration (Immigration/Emigration)

e. Types of Migration (Factors of Migration)

3. Human Settlements:

a. Introduction

b. Rural Settlement

i. Nucleated and Dispersed

ii. Forms according to shape

c. Urban Settlement

i. Functions

ii. Urban Hierarchy

d. World Urbanization

4. Economic Activities:

a. Introduction

b. Types of Economics Activities: i. Primary Activities iii. Tertiary Activities

ii. Secondary Activities

iv. Quaternary Activities v. Quinary Activities

c. World Trade Organization and Pakistan

5. Political Geography:

a. Basic Concept of Nation, State, Frontiers, and Boundaries

b. Geo-Strategic Position of Pakistan

6. Natural Hazards:

a. Types of Natural Hazards

b. Risks

c. Awareness and Management

LIST OF PRACTICALS FOR CLASS-XII (PART – II)

1. Statistical Diagrams

Line Graph - Bar Graph - Pie Charts

2.. Distribution Maps

Methods of showing Statistical Data

3. Major Types of Projections

Types of Projection (Cylindrical, Conical, Zentithal)

Uses and Properities of Projections

MILITARY SCIENCE

(There will be two papers of 100 marks each)
(Outlines of tests)

Marks: 100 (PART-I) WAR Time: 3 Hours

AIM: To create in the students an elementary understanding of the various factors governing war and its conduct.

Syllabus.

- **1. War:** Aim of war; causes of war, Explanation of terms; strategy, grand strategy, toctics.
- **2. Nature of Modern War:** Impact of science on War, Explanation of the terms; total war, limited war, global war, cold war, shooting war.
- **Principles of War:** Selection and maintenance of the aim, morale offensive action security; surprise; concentration of economy of effort; flexiblility; co-operation administration (logistics).
- **Modern Warfare:** Explanation of tactical concepts; linear warfare; positional warfare mobile warfare, pincer movement, Psychological warfare, Guerrilla warfare, Role of the three services.
- **Operation of War:** Advance, attack, defence and withdrawal, explaining the terms patrolling out-flanking, vanguard, advance-guard, penetration, counter-penetration, counter-attack, rear-guard and mopping up.
- **6. Sinews of War:** Moral, Social, economic, geographic and political.
- 7. Modern Weapons of War.
- **8. Steps short of War:** The U.N. especially and General Assembly and the Security Council.
- **9. Ethics of War:** The Hague Conferences; the Geneva Convention.

Prescribed Textbook:-

"Fundamentals of War" by Col: (Retd.) N.D. Hasan M.A. PCS (M/S National Textbook Corporation Ltd., Lahore) For Punjab Textbook Board, Lahore

Recommended book:-

"Jang Ka Ilm-o-Fun" by Maj Gen: Bashir Ahmad.

Name of Book: Defence of Pakistan by Major Muhammad Ali.

Marks : 100 (PART-II) Defence of Pakistan Time : 3 Hours

1. The Defence Problems:

- **a.** Our geographical location, terrain and frontiers with the neighbours.
- **b.** Relations with our neighbours, with particular reference to India Afghanistan and China. Outstanding disputes of Kashmir and Farrakka.
- 2. Foreign Policy.
- **a.** The global situation of Pakistan.
- **b.** Objectives of big powers/neighbours in this region and its effects on our defence.
- **c.** The foreign policy as a consequence of our defence problem.
- **d.** Need for Pakistan's participation in Defence and Regional Pacts.
- **e.** Pakistan and the Muslim World. Our relation-ship with the Muslim countries, specially from the point of view of defence. Pakistan's stand for Arab cause. May mention all out help by Turkey Iran and Indonesia to us during the last war of 1965.
- 3. Our Military Heritage.
- a. Islamic teachings on Jehad.
- **b.** Valour of Muslim Armies in War

- c. A short account of War of 1965.
- **d.** Short narration of the acts of valour and bravery displayed by members of our Armed Forces.
- 4. PAKISTAN ARMY

 Brief history, organication, development since independence and type of equipment held in each service.
- 5. PAKISTAN NAVY
- 6. PAKISTAN AIR FORCE
- 7. ECONOMY AND DEFENCE.
- **a.** Our resources and Industrial potential.
- **b.** Defence on foreign supplies
- **c.** Type of Industries to have defence bias to be useful in war from the point of view of Defence production.
- d. Economic and Budgetary arrangements for the maintenance of Armed Forces.
- e. The bearing of economic aid on Defence.
- **f.** The effects of Defence expenditure on economic development.
- g. Effects of War on Economy.
- 8. Role of Armed Forces During Peace.
- **a.** Training and preparation for war.
- **b.** In aid of Civil power during emergencies and calamities.
- 9. National Service and Second Line Forces.

Importance and Organization.

10. Civil Defence.

Organization in Pakistan and its duties in War.

- 11. Qualities of a Military Leader.
- 12. Military Honour and Awards, rank structure.

Name of Book:

Defence of Pakistan by Major Muhammad Ali.

Prescribed textbook.

Fundamentals of War by Major N.D. Hasan M.A, P.S, (M/S. National Textbook Corporation Ltd., Lahore).

Recommended Book

Jang Ka Ilm-o-Fua,

by Major Geo: Bashir Ahmad.



PHILOSOPHY

Marks: 100	PART-I (Class- XI)	Time: 3.00 Hours

CHAPTER-I INTRODUCTION

Concepts Contents

1. Examined life (Truth, Wisdom, a. What is Philosophy?

Goodness and Beauty)

b. What are the specific philosophical questions?

Dhilosophical Approach as Critician (Speculation)

c. Philosophical Approaches Criticism/ Speculation.

CHAPTER-II PHILOSOPHY AND RELIGION

Concepts Contents

Relationship between a. Questions asked in Philosophy and Religion b. Their treatment

b. Their treatmentc. Differences

d. Allama Muhammad Iqbal's Educational Philosophy

CHAPTER-III PHILOSOPHY AND SCIENCE

Concepts Contents

1. Relation between philosophy a. What does science try to understand? and Science b. How is it different from philosophy?

b. How is it different from philosophy?c. What role does philosophy play in the growth of

science?

i. Interpretsii. Criticizesiii. Resolves conflictsiv Justifies

CHAPTER-IV KNOWLEDGE

Concepts Contents

Theory of Knowledge
 Definition of knowledge
 Sources of knowledge:

Rationalism Empiricism

Intuition and Revelation Authority

c. Introduction of basic philosophy of Imam Ghazali

CHAPTER-V METAPHYSICS

Concepts Contents

Nature of Reality
 a. Monism
 Problem of substance
 b. Dualism

c. Pluralism

d. School's of Idealism and Materialism

CHAPTER-VI ETHICS

Concepts Contents

1. Evaluation of Human action a. Meaning and scope of Ethics

b. Ethical Theories:

Golden Mean, Utilitarianism, Good will

c. Islamic theory of Ethics

CHAPTER-VII ISLAMIC VALUES

Concepts Contents

1. Meaning and nature of values a. Islamic concept of Allah.

in Islam b. Relation between man and Allah

c. Human rights & responsibilities and Social justice in Islam

CHAPTER-VIII HIKMA: MEANING & SCOPE

Concepts Contents

Hikma: a. Meaning of Hikma

Meaning & Scope b. Conceptual basis of Islam:

Tauhid-Unity and Solidarity of mankind

Pisalat respect for humanity. Social justice

c. Risalat respect for humanity, Social justice,

Tolerance, Universal brotherhood

Marks: 100 CLASS- XII (PART-II) Time: 3.00 Hours

LOGIC AND SCIENTIFIC METHOD

CHAPTER-I INTRODUCTION

Concepts

Contents

a. Definition and scope of logic

b. Proposition & Arguments

c. Premises/ conclusion Indicators

d. Types of Arguments: Inductive, Deductive

e. Truth & Validity

CHAPTER-II LANGUAGE

2. Structure of Arguments

1. Nature of Logic

Concepts Contents

1. Nature and functions of Language a. Language as an Instrument

b. Three Important uses of language: Informative, Expressive, Directive

CHAPTER-III INFORMAL FALLACIES

Concepts Contents

Informal fallacies:
 a. What is meant by fallacy?

Fallacies of Relevance b. Fallacies of Relevance: Appeal to emotions,
Appeal to pity, Complex question, Adhominem

c. Fallacies of ambiguity: Equivocation,

Amphiboly, Accent

CHAPTER-IV CATEGORICAL PROPOSITIONS

Concepts Contents

Standard form categorical propositions
 propositions
 Quantity, quality and distribution

c. Traditional squares of opposition

d. Three laws of thought

CHAPTER-V CATEGORICAL SYLLOGISM AND SIMPLE ARGUMENTS

Concepts Contents

Validity of Categorical syllogism
 a. Categorical Syllogism

Figure, Mood, Standard form, Rules, Venn

diagram

b. Simple argument forms and Truth Table

CHAPTER-VI INDUCTIVE LOGIC

Concepts Contents

1. Inductive generalization inductive a. Forms of inductive Generalization Inductive Analogy

Analogy b. Factors on which their strength depends

CHAPTER-VII SCIENTIFIC METHOD EXPLANATION

Concepts Contents

1. Scientific method and explanation Explanations: Scientific and unscientific Characteristics of a good hypothesis

Recommended Book: Philosophy Part-I

Author: Javed Iqbal Nadeem

Publisher: Maktaba Naumania, Lahore.

Recommended Book: Philosophy Part-II

Author: Javed Igbal Nadeem

Publisher: Awais Book Center Urdu Bazar, Lahore

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PSYCHOLOGY

Marks: 85	CLASS-XI (PART -I)	Time: 3:00 Hours
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CHAPTER-I INTRODUCTION TO PSYCHOLOGY

Concepts

Contents

- 1. Introduction of Psychology
- Science of Behavior 2.
- 3. Areas of Modern Psychology
- Introduction Meaning and Definition of psychology as science of Behavior and mental processes
- Goals of psychology 2.
- Clinical psychology 3.
- Experimental psychology 4.
- Educational psychology 5.
- Environmental psychology 6.
- Criminal psychology 7.
- Business psychology

CHAPTER-II METHODS OF RESEARCH

Concepts

Contents

- 1. Research
- 2. Methods of Research
- Meaning and significance of research 1.
- 2. Types of Research:
- Observation Method ii. Experimental Method i. Survey Methods iv. Case-study Method iii.

CHAPTER- III NERVOUS SYSTEM AND BEHAVIOUR

Concepts

Contents

- Nervous system and Behaviour 1. 1.
- The Nervous System 2.
- Meaning & relationship with behavior
- 2. Neuron spinal cord
- 3. Structure and Function of main parts of Brain

CHAPTER- IV SENSATION AND PERCEPTION

Concepts

Contents

- 1. Sensation and perception
- Basic Concept and Function of Eye malfunctioning of Eye and Ear
- 1. Brief introduction of sensation
- 2. Anatomy of the Eye, what we see and how we see
 - Factors deforming the sensation & perception, defacts of Eye and Ear
- Definition. Factors of Attention Fluctuation and ii. Distraction of Attention. Gestalt laws of perceptual organization

- 3 Attention
- 4. Perceptual organization
 - Types of perception
 - Consistency of visual ii. Perception
 - iii. Illusion

- Depth & Distance 1.
- Movement. Monocular cues for depth perception 2. Binocular Cues for depth perception. Definition. Kinds of Illusion. Effects on the human life

CHAPTER-V LEARNING AND REMEMBERING

Concepts

Contents

1.

- Learning and Remembering 1.
- Learning and unadorned 2. **Behavior**
- 3. Ways of learning

- 4. **Memory Processes**
- 5. Three stages Memory Model
- Basic Principles of learning 2.
- Learning by observing

Definition of learning

- Conditioning Classical. Operant.
- 4. Definition of Memory: Sensory, Memory, Shortterm Memory, Long-term Memory
- Measuring Memory 5. Recognitions Method, Recall Method, Saving
 - Method, Method of Rearrangement
- Measurement of Memory
- Forgetting

CHAPTER-VI MOTIVATIONAL BEHAVIOUR

Motivational Behaviour

Concepts

Contents

Definition 1.

- Characteristics of motivation Instinct, Needs/Drives, Incentive, Balance or Equilibrium (Homeostasis)
 Types of Motives
- 2. How they direct our Behaviour
- **3.** Primary motives (unlearned/ Physiological)
- **4.** Hunger, thirst, temperature, sex
- 5. Maternal secondary motives (learned/psychological)
- 6. Achievement Motive
- 7. Power Motive
- 8. Affiliation Motive
- 9. Aggression
- **10.** How to cope with stress, and emotive
- **11.** Elements affecting Motivation

CHAPTER- VII PERSONALITY

Concepts

- 1. Personality
- 2. Definition of Personality
- **3.** Types & traits of personality
- **4.** Personality Theories
- **5.** Personality Assessment

Contents

- **1.** Definition Ectomaphic, Endomorphic Geomorphic types
 - i. Introvert, Extrovert & Amber
 - ii. Freudian theory
 - iii. Millar & Dollard's Behaviour theory
- 2. Introduction (contribution of Pakistani psychologist)
- 3. Objective techniques: Questionnaire, Interview, MMPI, Projective techniques, TAT, Ross checks Inkblot
- **4.** How to groom

CHAPTER- VIII EMOTIONAL BEHAVIOUR

Concepts

- 1. Emotional Behaviour
- 2. Introduction
- **3.** Theories of Emotion
- **4.** Environmental and cultural aspects of Emotion

Contents

- 1. Meaning and definition
- **2.** Pysiology of Emotion
- **3.** James Lange Theory (Feelings are physical)
- 4. Cannon Bord theory
- **5.** Role of learning and Environment in Emotion

CHAPTER-IX HIGHER COGNITIVE PROCESS

Concepts

- 1. Higher Cognitive processes
- **2.** Cognition
- 3. Cognitive Components Intelligence
- 4. Different Models of Intelligence
- **5.** Measurement of Intelligence
- 6. Language and Problem solving 6.
- **7.** Problem solving strategies
- **8.** What is language?
- **9.** Describe the structure in Language
- 10. Language Acquisition

Contents

- 1. Meaning & definition of cognition
- 2. Intelligence, General or specific Abilities
- 3. Spearman Model Guilford Model
- **4.** Stanford-Binate Intelligence Scale, WAIS, WISE Army Alpha and Beta Intelligence
- 5. Definition & significances
- 6. Cognitive operations in problem solving Understanding & Organizing i.Discussion ii.Cooperative Learning
 - Maniar of Language
- 7. Meaning of Language
- **8.** Basic tools of communication Elements of Language
- 9. Language Development Process
- **10.** Ride & contribution

LIST OF PRACTICALS FOR CLASS XI (Part -I)

- 1. Blind Spot
- **3.** Effect of Suggestion on Perception
- 5. Retroactive Inhibition
- 7. Measurement of Memory
- 2. Muller-type-Illusion
- 4. After Image
- 6. Problem solving
- **8.** T.A.T. (Practical Journal & Viva Voce)

Marks: 85 CLASS-XII (PART -II) Time: 3:00 Hours

CHAPTER-X DEVELOPMENTAL PSYCHOLOGY

- 1. Development of Psychology
- a. Cognitive Development
- b. Psychosocial Development
- c. Moral Development
- d. Developmental psychology in the light a. Piaget's theory of cognitive development of Quraan and Hadith
- 1. Definition of Growth, Development and Maturation Difference between above mentioned terms Comparison Cognitive, physical and Social Development
 - (Brief introduction)
 - b. Eriksson's psychosocial theory-ofdevelopment (Brief introduction) Physical development
 - Kahlberg's theory of moral development (Brief introduction)
 - ii. Sensory and perceptual development (Brief introduction)
 - c. Quraan verse & Hadiths

CHAPTER-XI PSYCHOLOGY OF HEALTH

- 1. Psychology of Health and Adjustment
- 2. Concept of Mental Health
- 3. Muslim concept of Mental Health
- 4. Abnormal Behavior
- 5. Stress and its role
- 6. Behavioral Disorders
- 7. Eating Disorders
- 8. Schizophrenia

- 1. Definition of Health and adjustment
- Requirement of Good health i.
- ii. Impact of good health
- 2. Different viewpoints of Mental Health
- Muslim point of views of Mental health, Imam Ghazali, Maulana Ashraf Ali Thanvi
- 4. Difference between Normal and Abnormal Behavior
- 5. Sources of stress, conflict, life Events, and Pressure & Environmental conditions
- a. Anxiety Disorders
- b. Eating Disorders
- 6. Eating as a disorder, suggestions for improving Eating Habits
- Right Eating
- ii. Exercisina
- iii. Advises by the Doctors for Eating
- 7. Definition, Causes, General Symptoms. Kinds:
 - -Disorganized
 - -Catatonic
 - -Paranoid

CHAPTER-XII SOCIAL PSYCHOLOGY

- 1. Social Psychology concept of socialization
- 2. Social Problems. How to resolve?
- **3.** Attitude
- 4. Public Opinion
- 5. Leadership

- 1. Meaning & definition
- 2. Elements of Socialization
- 3. Socialization Family influence on Socialization
- Antisocial Behaviour
- ii. Smoking
- iii. Drug Addiction
- iv. Violance

- v. Prejudice
- vi. Sexual Harassment
- 4. Definition, Attitude formation
- 5. Attitude change, Measurement of Attitude
- **6.** Definition, Formation, opinion change types/ styles and Qualities

CHAPTER- XIII GUIDANCE AND COUNCELING

- 1. Guidance and counseling
- 2. Importance of guidance & counseling in Islam
- 3. Different Techniques of Counseling
- 1. Meaning and difference of Guidance and counseling
- 2. Principles of Guidance
- 3. Necessity of Guide up to Higher Secondary level. Qurranic verses & Hadiths, Psychoanalysis, P.C.T. (Person Centered Techniques). R.E.B.T. (Rational Emotive Behaviour Techniques)

LIST OF PRACTICALS FOR CLASS XII (Part -II)

- 1. STATISTICS.
- a. Tabulation of Data
- **b.** Graphic Presentation of Data: Frequency Histogram, Frequency Polygon, Frequency Curve
- c. Measures of Central Tendency of groups X, U-Grouped Data: Arithmetic Mean, Median, Mode
- 2. FIELD WORK
- a. Measurement of Attitude/ Opinion
- **b.** Data Collection
- c. Report writing
- 3. PRACTICAL JOURNAL & VIVA VOCE.

Recommended Book: Psychology (Part-I)

Authors: 1) Fakhi-ud-Din Hyder.

3) Touqeer Saleem Khan

Publisher: Star Pblishers, Lahore.

2) Shahida Razvi

4) Asmat Ulah Cheema

2) Prof. Zarin Bukhari

4) Prof. Asmat Ulah Cheema

Recommended Book: Psychology (Part-II)

Authors: 1) Prof. Fakhi-ud-Din Hyder.

3) Tougeer Saleem Khan

5) Fareeda Sadaq

Publisher: Star Pblishers, Lahore.

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STATISTICS

Part-I (Class-XI) Distribution of Marks: Part-II (Class-XII)

Theory: 85

Total Marks: 200Practical: 30Marks: 85CLASS-XI (PART-I)Time:3:00 Hours

Syllabus

Chapter: 1 INTRODUCTION TO STATISTICS

Introduction, Definitions, Notations, Importance of Statistics in Various Disciplines, Social Sciences, Plant Sciences, Physical Sciences, Medical Sciences, Variables, Descriptive and Inferential Statistics, Sources of Data

Chapter:2 REPRESENTATION OF DATA

Introduction, Calssification, Tabulation, Construction of tables, Frequencey distribution, Cumulative Frequency Distribution, Graphic Representation of Data, Simple Bar Diagram, Multiple Bar Diagram, Sub-Divided Bar Diagram, Pie Diagram, Histogram, Frequency polygon and frequency curve, Scatter Plots, Bivariate Frequency Distribution.

Chapter: 3 MEASURES OF LOCATION

Introduction, Arithmetic Mean and Weighted Mean, Updating or Correcting the mean, Calculation of A.M. by coding / short-cut method, Merits and Demerits of Arithmetic mean, Geometric Mean, Properties of Geometric mean, Merits and Demerits of geometric mean, Harmonic Mean, Merits and Demerits of Harmonic mean, Properties of Harmonic mean, Median, Properties of Median, Merits and Demerits of Median, Quantiles, Mode, Properties of Mode, Merits and Demerits of Mode, Empirical Relationship between Mean, Median and Mode, Selecting a Suitable Measure of Central Tendency.

Chapter: 4 MEASURES OF DISPERSION

Introduction, Range, Merits and Demerits of Range, Quartile Deviation, Merits and Demerits of Quartile Deviation, Mean Deviation, Merits and Demerits of Mean Deviation, Properties of Mean Deviation, The Variance, Merits and Demerits of Variance, Standard Deviation, Properties of the Variance and standard Deviation, Co-efficient of Variation and other Relative Measures, Moments, Moment about Mean, Moment about an Arbitrary Value, Moments for grouped Data, Sheppad's Correction for Grouping Error, Skewness.

Chapter: 5 INDEX NUMBERS

Introduction, Types of Index Numbers, Limitations of Index Numbers, Use of Index Numbers, Constrution of price Index Numbers, Unweighted and Weighted Index Numbers, Consumer Price Index (CPI) and Wholesale Price Index (WPI), Construction of CPI, Sensitive Price Indicator (SPI).

Chapter:6 PROBABILITY

Introduction, Permutations, Combinations, Probability, Conditional Probability.

Chapter:7 RANDOM VARIABLES

Introduction, Random Numbers and their Generation, Application of Random Numbers, Concept of Random Variables and their Construction from Different Fields, Discrete and Continuous Random Variables.

Chapter:8 PROBABILITY DISTRIBUTIONS

Introduction, Probability Mass Function, Probability Density Function, Simple Univariate Discrete and Continuous Distributions, Properties of Probability Mass Function and Probability Density Function, Application, Drawing of Probability Mass Function and Probability Density Function, Expectation and Variance of the simple discrete Random Variable, Properties of Expectation, Distribution Function.

Chapter:9 BINOMIAL AND HYPERGEOMETRIC PROBABILITY DISTRIBUTION

Introduction, Binomial Probability Distribution, Mean and Variance of the Binomial Distribution, Hypergeometric Distribution and Hypergeometric Experiment, Properties, Hypergeometric Probability Distribution,

List of Practicals for Class XI (Part-I) Topics:

- **1.** Presentation of data
- 2. Measure of Location
- **3.** Measure of description
- 4. Index Numbers
- **5.** Probability
- **6.** Random Variables
- 7. Discrete Probility distribution
- **8.** Binomial and Hypergeometric Probability distribution

Recommended Book: Statistics (Part-I)

Authors: 1) Dr. Faqir Muhammad 2) Mr. Amjad Mehmood **Editor:** Mazhar Hayat, SS, Punjab Textbook Board, Lahore

Publisher: Saeed Book Center, Lahore.

For Punjab Textbook Board, Lahore

Marks: 85 CLASS-XII (PART – II) Time: 3:00 Hours

Syllabus

Chapter: 10 NORMAL DISTRIBUTION

Normal Distribution, Standard Normal Random Variable, Standard Normal Distribution, Standard Normal Cumulative Distribution Function, Destandardizing, Quantiles of Standard Normal Distribution, Use of Standard Normal Tables for any Normal Distribution, Finding the Values of μ or σ or both.

Chapter: 11 SAMPLING TECHNIQUES AND SAMPLING DISTRIBUTIONS

Population (Or Universe), Sample, Sampling design, Non-probability (Non-random) Sampling, Probability (Random) Sampling, Simple Random Sampling, Stratified Sampling, Errors, Simple Random Sampling and Sampling Distributions, Sampling Distribution of a Statistic, Sampling Distributions from General Populations, Sampling Distribution of the Sample Mean, X, Sampling Distribution of the Difference Between two Sample Means, $X_1 - X_2$, Sampling Distribution of Sample Proportion, P, Sampling Distribution of the Difference Between two Sample Proportions, $P_1 - P_2$, Other Sampling Distributions, Sampling Distribution of the Sample Variance, S^2

Chapter:12 **ESTIMATION**

Statistical Estimation, Point Estimation of a Parameter, Unbasedness, Best Estimator, Pooled Estimators from two Samples, Interval Estimation, Confidence interval for Population Mean, μ , Confidence interval for Population Proportion of Success, π , Comparative Studies, Confidence interval for Difference between two Population Means, μ_1 - μ_2 , Confidence interval for difference between two Population Proportions, $\pi_1 - \pi_2$

Chapter: 13 HYPOTHESIS TESTING

The Elements of a Test of Hypothesis, Test of Hypothesis about a Population Mean, μ , Test of Hypothesis about a Population Proportion, π , Test of Hypothesis about the difference between two Population Means-independent Samples, Inference about the difference between two Population Means-Dependent Samples, Test of Hypothesis about the Difference between two Population Proportions, $\pi_1 - \pi_2$

Chapter: 14 SIMPLE LINEAR REGRESSION AND CORRELATION

Relations between Variables, Regression analysis, Curve fitting, Simple Linear Regression, The Simple Linear Regression model, Simple Linear correlation, Correlation analysis

Chapter: 15 ASSOCIATION

Multinomial Populations, Attribute (Qualitative Variable), Independence of Attributes, Association of Attributes, Two dimensional count Data: Contingency Table, Test for Statistical Independence, Rank correlation,

Chapter: 16 ANALYSIS OF TIME SERIES

Time Series, Components of a time Series, Analysis of time Series, Estimation of secular trend

Chapter: 17 ORIENTATION OF COMPUTERS

Introduction to Computer, History of Computer, Types of computers, Classification of Computers, Hardware and Software, Hardware components of a personal Computer, Input Devices and Output Devices, System Software, Operating System, Application Software, Programming Languages, Language Processors and Number system, How Computers Represent Data, Binary System as a foundation of Computer Programming

List of Practicals for Class XII (Part-II)

Topics:

Normal distribution

Sampling

Estimation

Testing of Hypothesis

Correlation

Association

Time series

Recommended Book: Statistics (Part-II)

Author: Prof. Muhammad Rauf Chaudhary,

Govt. College for Boys Gujranwala.

Editors: Prof. M. Khalid Director (Technical)

Mr. Mazhar Hayat, Subject Specialist,

Publisher: Zeeshan Book Center, Lahore.

For Punjab Textbook Board, Lahore



نصاب اسلامیات (اختیاری) (اس مضمون میں سو، سونمبر کے دوپر ہے ہوں گے)

کل نمبر:100	برائے جماعت گیار ہویں (پارٹ-۱)	وقت:3:00 گھنٹے
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ا۔ اسلامی تہذیب و تدن

۲۔ سیاسی و ثقافتی تاریخ اسلام (ازابتدائے اسلام تااختتام خلافت راشدہ)

اسلامي تهذيب وتدن

کتاب وسنت اور مفکرین اسلام کے افکار کی روشنی میں مندر جہ ذیل عنوانات کا مطالعہ:۔

(الف) اسلامی تهذیب و تدن که تهذیب و تدن کامفهوم - ۲ اسلامی تهذیب و تدن کی خصوصیات

(ب) فرد- مندرجه ذیل اخلاق اسلامی کامطالعه

تقویٰ۔ ذکر۔ شکر۔ صبر ۔عفو۔عدل۔احسان۔خدمت خلق

(ج) **خاندان۔ ا**۔ عائلی زندگی اور اس کی اہمیت۔ ۲۔ والدین اور اولا د کے حقوق و فرائض

سے خاوند اور بیوی کے حقوق و فرائض۔

(د) مکتب ومسجد ا۔ اسلامی معاشرہ میں تعلیم کی نوعیت واہمیت۔ ۲۔ اسلامی معاشرے میں مکتب کی اہمیت۔

سول استاد اور شاگر د کے حقوق و فرائض۔ میں مسجد کی اہمیت۔

(ه) اسلامی معاشره حقوق و فرائض: ارشته دار ۲- بمسایی سوشهری سمدریاست

(ی) عالم اسلام ا۔امت ۲۔اخوت سوتبلیغ سرجہاد

سياسي و ثقافتي تاريخ اسلام

ل**ف۔ اسلام کاپس منظر ا**۔ عرب کا جغرافیہ ۲۔اسلام سے قبل عربوں کی سیاسی، ساجی اور تمہ نی زندگی۔

ب- سيرت نبوى خَاتَهُ النَّبِيِّنَ صَلَّى اللهُ عَلَيْهِ وَعَلَى ب-

آ مخضرت مَالَّهُ النَّهِ بِنَ صَلَّ اللهُ عَلَيْهِ وَالْمَا عَلَيْهِ وَاللَّهِ مِنْ اللَّهِ عَلَيْهِ وَاللَّهِ مِنْ اللَّهِ عَلَيْهِ وَاللَّهِ مِنْ اللَّهِ وَاللَّهِ مِنْ اللَّهُ عَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ مِنْ اللَّهُ عَلَيْهِ وَعَلَيْهِ عَلَيْهِ وَعَلَيْهِ عَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ عَلَيْهِ وَعَلَيْهِ عَلَيْهِ وَعَلَيْهِ وَعَلَيْ وَعَلَيْهِ وَعَلَيْ خَالَّهُ اللَّهِ اللَّهِ عَلَيْهِ وَعَلَيْهِ وَعَلَيْهِ وَعَلِيْهِ وَعَلَيْهِ وَعِلْمَ عَلَيْهِ وَعِلْمُ وَعَل

ج۔ خلافت راشدہ

ا۔ حضرت ابو بکر رضی اللهُ تَعَالَى عَنهُ امتخاب خلافت۔ حضرت اسامہ رضی اللهُ تَعَالَى عَنهُ کی مہم۔ فتنہ ارتداداور باغیوں کی سرکو بی ایران اور روم کی سلطنوں سے آویزش کی ابتداسیرت واخلاق۔ کاربائے نمایاں۔

ال حضرت عمر رضى الله تَعَال عَنهُ - انتخاب خلافت - عراق، ايران، شام اور مصريين اشاعت و فروغ اسلام - اسلام بحيثيت قوت سياس - شهرى اور فوجى نظام حكومت كاار تقا - غير مسلمول سے سلوك - شهادت سيرت واخلاق - كار بائے نماياں -

سل حضرت عثمان وضى الله تعالى عنه- انتخاب خلافت - اشاعت و فروغ اسلام - شهادت - سيرت واخلاق كارهائ نمايال -

۵۔ خلفائے راشدین کے عہد میں اسلام کی ترقی۔اس کے سیاسی وساجی اقتصادی اور ترنی پہلو۔

10 نمبر

50 نمبر

10 نمبر

20نمبر

10 نمبر

کل نمبر:100

کل نمبر:100	برائے جماعت بار ہویں (پارٹ-۱۱)	وقت:3:00 گھٹے
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(الف) القرآن

(ب) الحديث



OUTLINE OF HOME ECONOMICS

(Outline of tests)

Part-I: 85 Marks Practical: 30 Marks Part-II: 85 Marks

وتت:3:00 گھنٹے برائے جماعت گیار ہویں (پارٹ-۱) کل نمبر:85

حصہ الف:۔ بیجوں کی نشونما اور خاندان کے تعلقات ا۔ بیجوں کی نشونما ۲۔ ذات کا نصور اور شخصیت کی نشونما

سو۔ خاندان اور افراد خانہ کے باہمی تعلقات مہم۔ بچوں کو سمجھنااور انگی راہنمائی کرنا

حصہ ب:۔ انتظام خانہ داری کا تعارف و مقاصد ۲۔ و سائل و ذرائع

سو تھکن اور اسکے اثرات ہے۔ تخمینہ آمدنی وخرچ

۵۔صحت کی حفاظت ۲۔گھروں میں فوری طبی امداد

ے۔گھر میں آرٹ کے اصولوں کااستعمال

حصہ ج:۔ آرٹ اسکے عناصر اسکے عناصر

پر یکٹیکل لسٹ برائے جماعت گیار ہویں (یارٹ-۱)

ا۔ فائل Viva_۲ سوال تخمینہ یا شخصیت کے متعلق ہم۔ سوال ڈیزائن یا آرٹ

وتت:3:00 گھنٹے برائے جماعت بار ہویں (یارٹ-۱۱) کل نمبر:85

ا ـ غذا أى المحت ٢ ـ متوازن غذا سـ غذا أى ضروريات

۱۳ کمیات ۵ کار بوهائیڈریٹ یانشائستہ ۲ روغنیات یا چکنائی

ے۔ حیاتین ۸۔ معدنی نمکیات ۹۔ فہرست طعام کی ترتیب

۰۱۔اشیاء خور دنی کی خریداری ۱۱۔ کھانا پائے کے طریقے ۲۱۔ کھانا پیش کرنے کے طریقے

حصہب:۔ پارچہ بافی اور لباس

ا۔ سلائی کے ابتدائی مراحل ۲۔ اچھی سٹنگ کیلئے مناسب ناپ کی اہمیت مطالعے کی اہمیت ،

۳- پارچہ بافی کے بنیادی طریقے ۵- کپڑوں کی منصوبہ بندی ۲- ذاتی زیباکش

ير يكثيكل لسك برائج جماعت بار جوين (يارث-II)

ا۔ فائل Viva_۲ پانے کے سوال مہتخین کی سلائی

۵۔ ڈرافٹنگ ۲۔ فراک کی سلائی ۷۔ بنیادی سلائیاں

مجوزه کتاب: هوم اکنامکس برائے انٹر میڈیٹ کلاسز

مصنفین: ار مسز کشور اسلم ۲- مسز سعیده غنی سور مسز کشور اسلم

ایڈیٹر:۔ مس زاھدہ شکور

پبلشرز:۔ صادق پبلیکیشنز، لاہور (برائے پنجاب ٹیکسٹ بک بورڈ، لاہور۔)

♦---♦

MUSIC

(Outlines of Tests)

Distribution of Marks: Part-I (Class-XI) Part-II (Class-XII)

Theory-I: 40 Theory-II: 40 Practical: 120

Total: 200

Marks: 40 PART-I (CLASS XI) Time: 1:30 hours

Theory

- Definition of Music Sur, Thath, Raag, Arohi, Amrohi, Sabtak, Alap, Shurti, Taan, Meend and Gammak. Wadi Sumwadi
- 2. Complete Names of Sur (Note)
- 3. Sargams of Five Thaths: Bilawal, Kalyan, Bhairon, Bhairveen & Poorbi.
- 4. Definition of Matra, Lay, Sum, Tali and Khali.
- **5.** Knowledge of the following Taals with Bols showing Sum, Zarb and Khali. Teental, Kehrva, Dadra, Rupak and Nakta.
- 6. Definition of Folk, Ghazal, Qavvali, Marsia, Khyal and Trana.
- **7.** Contribution to Music by Amir Khusro.
- 8. Short Notes on the following instruments:- Tanpura, Sitar, Shehnai, Flute, Sarode, Taoos.

Marks 60 LIST OF PRACTICAL FOR CLASS XI (PART-I) Time: 3 hours

1. Vocal Music: Singing of Khayal Tarana, Thumri, Dadra of raags, Bilaval Kafi, Rageshri Bhairvin, Aimen (Technique style and expression to be emphasized).

OR

Instrumental Music: Playing of Sitar, Violin, dilruba, Flute, sarode, Shehnai, Sarangi in the raags mentioned above under vocal music (Technique style and skill in handling and tuning the musical instrument to be emphasized.

- 2. Qaumi Tarana (Vocal or any one of the instruments mentioned at No.1).
- 3. Three folk songs or tunes of Pakistan.
- 4. Ghazal and Film Songs.
- 5. Practical Book.

Marks 40	PART-II (CLASS XII)	Time: 1:30 hours

- 1. Definition of Grah Sur, Nyes Sur, Alankar, Andolan, Kan, Pakar, BolTaan.
- 2. Sargams of Five Thaths: Khammach, Kafi, Assvri, Marva, Todi.
- **3.** Definition of Taal and Lai.
- **4.** Knowledge of the following Taals with Bols showing Sum, Zarb and Khali. Chanchal, Jhaptal. Ektal. Tilwara
- 5. Classical Music Gharanas and their famous Singers.
- **6.** Defintion of Thumri, Chatrang, Hori, Dhurped, Lakshan Geet and Dhadra.
- 7. Contibution to Music by Tansen and Sadarang.
- **8.** Short notes on the following instruments: Veena, Sarangi, Rabab, Dilruba, Surbhar, Surmandal.

Marks 60 LIST OF PRACTICAL FOR CLASS XII (PART-II) Time: 3 hours

1. Vocal Music: Singing of Khayal Tarana, Thumri, Dadra of raags, Malkaus, Bheemplasi, Khamai. Marva. Rag Darbari.

OR

Instrumental Music: Playing of Sitar, Violin, dilruba, Flute, sarode, Shehnai, Sarangi in the raags mentioned above under vocal music (Technique style and skill in handling and tuning the musical instrument to be emphasized.

- **2.** Judgment of Talls.
- **3.** Qaumi Tarana (Vocal or any one of the instruments mentioned at No.1).
- **4.** Three folk songs or tunes of Pakistan.
- **5.** Ghazal and Film Songs.
- **6.** Practical Book.



FINE ARTS

Distribution of Marks:

Part-I (Class-XI) Theory: 40

Part-II (Class-XII) Theory: 40

Practical

Composition: 25 Still Life, Drawing: 25

Design: 25

Exhibition of Work: 45

Total: 200

Marks 40 **PART-I (CLASS XI)** Time: 1:30 hours

SYLLABUS:

The Dawn of Civilization

- 1. The Evolution of Ornament, Painting and Sculeture (Prehistoric and Primitive)
- 2. Egypt
- 3. Western Asiatic (Sumerian, Babylonian, Assyrian and Persian Eras).
- 4. Indus Valley Civilization

LIST OF PRACTICAL FOR CLASS-XI (PART-I)

- 1. Design & Pattern making potato cut. Stenciling: Traditional designs from difference civilizations at least 12 Designs i.e. Egypt, Meso potamia, Greek, Roman, Indus Valley, Buddhist.
- 2. Still life in water colour & pencil: Best works in water colour, Best work in Pencil.
- 3. Drawing from casts: Study of different parts of human body from cast 8 Best work.
- 4. Nature Study: Plants flower trees etc, 8 Best work, Media to be taught water colour. Pen & Ink Char coal & Pastels.

Marks 40	PART-II (CLASS XII)	Time: 1:30 hours
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SYLLABUS:

The Dawn of Civilization

- 1. Greek
- 2. Roman (before Christian Eras)
- 3. Buddhist (**a.**Gandhara School. **b.** Ajanta school) Outline study Charactristic of each period must be cleared

LIST OF PRACTICAL FOR CLASS-XII (PART-II)

- 1. Still life in water colour
- OR

Life in Pencil, Char-coal

- 2. Composition: In Water Colour OR Water Colour and Pen & Ink
- 3. Exhibition of Work: Land-scape at least 4 Works,

Composition at least 4 Works,

Portrait /Life Drawing at least 4 Works, Still Life objects in Water Colour and other Media at least 8 Works.

Media to be taught in II year.

Water Colour Pen & Ink **Pastels** Char-coal.

Recommended books:

ART THROUGH THE AGES -1

2- قديم انسان اور فن مصوري

مصنفین: - 1- پروفیسر ڈاکٹر مسرت حسن 2- پروفیسریاسمین عرفان 3- پروفیسر محمود خالد 4- پروفیسر ثمینه رشید



ARABIC

(There will be Two papers of 100 Marks each) (Outline of test)

انشر میڈیٹ پارٹ -اور پارٹ ا-کے سوالات میں نمبرول کی تقسیم

ا۔ "حدیقہ الادب" (پرچہ الف الجز الاول سے اور پرچہ ب الجز الثانی سے مرتب ہو گا۔ دونوں پرچوں کاوقت تین تین گھنٹے ہو گا)۔ نثر۔ عربی عبارت کا اردومیں ترجمہ اور خط کشیدہ

الفاظ کی سادہ لغوی تشر یح

نظم _ اشعار کاار دومیں ترجمہ و تشریح

ا۔ "حدیقہ الادب"کے اسباق کے آخر میں دی گئی تمارین پر مبنی سوالات (سوالات کسی نوعیت کے بھی ھوں کتاب میں دی گئی تمارین

پر ھی مشتل ہوں گے اور قواعد کے بارے میں سوال بھی تمرینات سے ھی کیاجائے گا۔

س اردوسے عربی میں ترجمہ

مه۔ مضمون /خط/ درخواست۔

قواعد برائے گیار ھویں جماعت

حروف مشبه بالفعل، حروف جاره، حروف ناصبه، حروف جازمه، حروف ندا، اساء موصوله، مرکبات ناقصه، مرکب اضافی، مرکب توصیفی، مرکب اشاری، اوزان جمع، افعال صحیح سے ابواب تلاثی مجر د اور ثلاثی مزید فیہ کے ابواب۔ افعال، تفعیل مقاعله، تفعل، افتعال،انفعال، استفعال۔

قواعد برائے بار ہویں جماعت

اساء عد د ـ سبتداء و خبر ـ معرب و مبنی ـ افعال ناقصه ـ مفاعیل خمسه ـ اسائے ظرف (ظرف زمان / ظرف مکان) ـ غیر منصرف، مضاعف اور معتل افعال ـ

> نوف: پارٹ ا - میں درج ذیل عنوانات پر عربی میں مضمون جو کم از کم پچاس الفاظ پر مشتمل هو۔ القر آن الکریم، خلق النبی، وطنی پاکستان، القائد الاعظم، کلیتی، استاذی، آمی، فی الحدیقتین، الدراجیتین، الحجمل۔

درخواست / خطپارٹ II- میں آئے گا۔ درخواست بنام پر نسپل صاحب برائے رخصت، بوجہ بیاری، ضروری کام، شادی میں شرکت اور فیس معافی، خطوالد کے نام پیسے منگوانے کے لیے، والدہ کے نام امتحان میں کامیابی کی خبر دیتے ہوئے، چھوٹے بھائی کے نام پڑھائی کے سلسلے میں نصیحت کرتے ہوئے، دوست کے نام چھٹیوں میں اپنے ھال آنے کی دعوت دیتے ہوئے، دوست کے نام اس کے کسی قریبی عزیز کی وفات بر تعزیت کرتے ہوئے۔

كتاب: الحديقة الادب (الجزالاول، برائے گیاھویں جماعت الجزالثانی، برائے بار ہویں جماعت)

مصنفین / ایڈیٹر ا۔ڈاکٹر ظہور احمد اظہر ۲۔ڈاکٹر خورشیر رضوی سے ڈاکٹر خالق داد ملک ۲۰۔ڈاکٹر محمد قمر علی ۵۔پروفیسر خان محمد چاولہ ۲۔پروفیسر رضابخاری ۵۔پروفیسر خان محمد چاولہ ۲۔پروفیسر رضابخاری

APPENDIX-II

(LIBRARY BOOKS)

Note: Books given in Appendix II may be made available in the College Libraryfor Supplementary Reading

دارالمعارف مصر	قصاص الاپر	اساطير العالم للاطفال	كامل الكيلابي
دارالمعارف مصر	خسرو شاء	قصص من الف ليله	كامل الكيلابي
دارالمعارف مصر	نعمان	قصص فكاهية للاطفال	كامل الكيلابي
دارالمعارف مصر	عماره	قصص فكاهية للاطفال	كامل الكيلابي
دارالمعارف مصر	بنت العباغ	قصص فكاهية للاطفال	كامل الكيلابي
دارالمعارف مصر	حذاء الطنبوري	قصص فكاهية للاطفال	كامل الكيلابي
دارالمعارف مصر	العرندس	قصص فكاهية للاطفال	كامل الكيلابي
مطبعة سعد مصر	جزء اول و يابي	اقراعة المصورة	مصطفي ابوسنه
	• •	المدارس الابتدائية	و عطیه محمد
مطبة معارف مصر	على بابا	قصص جديدة للاطفال	كامل الكيلابي
مطبة معارف مصر	عبدالله البرى	قصص جديدة للاطفال	كامل الكيلابي
	عبدالله البحرى		•
مطبة معارف مصر	ابو صیر و ابو قیر	قصص جديدة للاطفال	كامل الكيلابي
مطبة معارف مصر	بابا عبدالله	قصص جديدة للاطفال	كامل الكيلابي
	والد روبش		•
مطبة معارف مصر	ياجر بغدا	قصص جديدة للاطفال	كامل الكيلابي
مكتبة دارالعلوم	ء قصص النبس	مطبوعات ندوة العاماء	سيد ابوالحسن
ندوة العاماء لكهنا			على الحسيبي الندوي



ENGLISH (Elective)

(There will be two papers of 100 marks each)

Ma	rks 100	PART-I (CLASS XI)	Time: 3:00 l	hours
1.	•	Poems (1 to 12) by Dr. M. Sadiq and Mrs. Muhammad Ashraf, Publisher and Book S		20
2.	A new anthology of Publishers and Boo	Essays by Dr. Imdad Hussain and Mrs. S. k Sellers, Kashmiri Bazar, Lahore.	M. Sulehri.	20
3.	A passage of mode	rns prose for comprehension		20
4.	Writing a letter on s	ome important subject to a newspaper.		20
5.	Writing a dialogue b	petween two or three persons on a current	topic.	_ 20
			Total	100

Note:- Advanced Learners Dictionary by A.S. Hornby is recommended.

Ма	rks 100	PAR1	-II (CLASS XII)	Time: 3:00	hours
1.	9.5	•	4) by Dr.M.Sadiq and Mrs raf, Publisher and Book S		20
2.	'Merchant of Venice Publisher : M/s Oxfe	•			20
3.	Under the Green W Publisher : M/s Oxfe	•	•		20
4.	An essay of relative narrative subject.	ely advanced.	Nature, preferably on a	a descriptive or	20
5.	Writing a letter on s	ome important	subject to a newspaper		_20_
				Total	100

Note:- Advanced Learners Dictionary by A.S. Hornby is recommended.



FRENCH

(There will be two papers of 100 marks each)

Marks 100		PART-I (CLASS XI)	Time: 3:00 h	ours
SYL	LABUS			
 Grammar Exercises to be limited to those covered by "French" for Intermediate Classes Part-I Chapter 1-13 (both inclusive) 		40		
2.	2. Translation (Seen) French into English / Urdu			20
3.	. Translation (Seen) English / Urdu into French			25
4.	Questions (to be an (Within studied voc	swered in French) to text comprehension of abulary)	a given passage	15

Note:- Advanced Learners Dictionary by A.S. Hornby is recommended.

Ма	rks: 100	PART-II (CLASS XII) Thoery Marks:75 Viva Voice:25	Time: 2:30	hours
1.	Grammar Exercises Intermediate Classes	from chapter 14-25 (both inclusi s, Part-II	ve) from "French" for	25
2.	Translation (Unseen)	French into English		15
3.	Translation (Unseen) English into French		15	
4.	An essay of about 150 words on a general topic within studied vocabulary. A letter may be included within the choice of subjects.		20	
5.	Viva Voce: Dictation	n reading and converstion		25_
				100

Note:- Advanced Learners Dictionary by A.S. Hornby is recommended.

Prescribed textbooks:-

French for Intermediate classes- Part-I& Part-II by Dr. S.H.A. Rasool



Time: 2:30 hours

GERMAN

(There will be two papers of 100 marks each.)

Mar	ks 100	PART-I (CLASS XI)	Time: 2:30 hours	
1.	Applied Gram	mar	40	
2.	Translation: G	Serman into English/Urdu)	20	
3.	Translation: E	English/Urdu into German	40	

1.	Retelling of a story from the prescribed textbook or Questions on the stories in the prescribed textbooks to be answered in German	35

PART-II (CLASS XII)

35 Composition 30

Viva voce (Dictation, Conversation).

Syllabus.

1.Grammar:

Marks 100

Definite and indefinite. Articles

Nouns all declensions

Verbs All tenses of the different types of verbs.

Pronouns: Personal, interrogative, demonstrative, possessive, reflexive, relative

and indefinite pronouns.

Declensions, comparison,: adjective as nouns. Adjectives:

Prepositions: Dependence of prepositions, combined prepositions. (Like "evon .. bis",

"auf.. zu"

preposition + personal pronouns "da" + preposition

Numbers: cardinal and ordinal numbers, the time: Moods Indicative and subjunctive I+11, Imperative

Voices Active and passive voice

Adverbs : Adverbs of time

Syntax Words order, principal and dependent clauses; infinitive constructions,

conjunctions.

Remarks: The items on Grammar comprise the forms as well as their use in

German.

II Texts the main texts of the prescribed textbook

Prescribed textbooks:

Schulz/Griesbach: Deutsche Sprachlehre fur Auslander, Grundstufe in einem (1) Band

(2)Glossar; Gennan-English-Urdu-Bengali all books; Max Huesber Verlag, Muenchea

Remarks:

Every chapter of the prescribed textbooks has one main text (the beginning of each chapter) additional texts, numbered exercises within the chapters and additional exercises at the end of the Book. Additional texts and exercises are not compulsory, but may be used by the teacher

as desired for fluency, practice and conversation.

Note: The textbooks will be provided by the respective colleges on nominal

fee.

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	4.			
کل نمبر:100	برائے جماعت گیار ہویں (پارٹ-۱)		وتت:3:00 گھنٹے	
نمبر ۳۰) پیریاں وچوں دو دی تشر تکسیاق وسباق دے حوالے نال کرو۔	تھلے دتے ہوئے نشر کی	سوال نمبرا_	
	٢نمبر	لکھاری داناں	وندُ:	
	۲ نمبر بر ۲م پیرے دتے جان	سياق		
	۲ نمبر	- •		
	ونمبر			
نمبر۰۳	دی تشر تکے۔شاعرتے مصنف دے حوالے نال لکھو۔	تخطلے دتے گئے شعر ال	سوال نمبر ۲_	
	نشر ت کرد	۴ وچول ۲ بندال دی		
		شاعر دانال	وندُ:	
		مصنف داناں		
		تشريح		
نمبر+ا		کسے اک سبق داخلاص	سوال نمبر سهه	
	ہ او ھناں و چوں اک سبق داخلاصہ لکھنا) ۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔			
نمبر•ا	کسے اک صوفی شاعر دی حیاتی تے شاعر ی تے نوٹ لکھو۔		سوال نمبرسم_	
	۵نمبر	حياتي	وندُ:	
	۵نمبر	شاعری		
	ٹاعر بارے پچھیا جائے۔	•		
ماه، مولوی غلام رسول عالبپوری،	ئسین،سلطان باهو، علی حیدر ماتانی،سید بلصے شاہ،وارث شاہ،هاشم ش 	(شاعر)بابا فرید، شاه`		
		خواجه غلام فرید، میال		
نمبر ۲۰	•	کسے اک عنوان تے پا	سوال نمبر۵_	
	، مضمون لکھاجائے۔	^{مهم} مضمونا <u>ں وچوں ا</u> ک		
	•	ا۔ پنجابی زبانتے ادر		
	اشاعر ان بارے۔	۲_اک مضمون صوفی		
		س ل ے مضمون عام سر نانو		
	نات	م۔ سموگ دے نقصا		

		* - * .	*	
سوال نمبرا_	ھیٹھال دتے ہوئے نشری پیریاں وچ	ں ۲ دی تشر تک سیاق وسباق دے حوالے نال لکھو	لمصاری دانا <u>ل وی د</u> سو تمبر +۳	
ونڈ:	کھاری داناں ۲ نمبر			
	سیاق ۲نمبر			
	سباق ۲ نمبر	۴ وچول ۲ پیرے کر و		
	تشر ت ک ۹ منبر			
سوال نمبر ۲_	هیینهٔ دیے بندال دچوں صرف ۲ دی	ھیبٹھ دتے بنداں وچوں صرف ۲ دی تشر ^ہ ے شاعرے شاعری دی صنف دے حوالے نال کرو۔ منبر ۳۰ س		
وندُ:	شاعر دے نال دے سمنمبر			
	شعری صنف دے سمنمبر	۲ قدیم، ۲ جدید شاعری دے بند دتے جان		
	تشر تے دے ہنبر			
سوال نمبر س	نشری سبقال وچول کر دار (اتے) نوب	، یاکے سبق داجائز لکھیاجائے۔	نمبر+ا	
سوال نمبر ۸ _	شاعرال(اتے)نوٹ لکھو۔		نمبر+ا	
	یاں وچوں کیے اک شاعر (اتے) تناں وچوں کیے اک شاعر (اتے)			
وندُ:	حياتي ۵نمبر			
	شاعری ۵نمبر			
شاعر:_	مولوی لطف علی بهاولپوری، را قب قص	وری، کرم امر تسر ی،علامه بعقوب انور،بشیر منزر	شيرانور،الطاف قريثي، فيروز	
	دين شرف، شرف تنجاهي			
سوال نمبر ۵_	گرائمر (الف)چاروں وچوں دواتے ^آ	_900_	نمبر۲۰	
	(علم بیان) تشبیهه، استعاره، کنامه، قافه	ر علم بیان) تشبیه به استعاره، کنابیه، قافیه ،ردیف (علم بیان) تشبیه به استعاره، کنابیه، قافیه ،ردیف		
	ي			
	(مر کبات)عطفی،عد دی، ظرفی،اضافی، توصیفی			
	(ب)لوک ادب	مر وجه نصاب		
	تنال وچوں دو(اتے) ککھو۔		نمبر+ا	
	لوری، کلی، تھال، گدھا، بولی، گھوڑی،	ماهيا، ڈھولا		
کتاب ادب خزیخ	پ خزینے حصہ اول۔ دوم			
مصنفين:	ا_ڈاکٹرسیداختر جعفری	۲_ڈاکٹر محمد اسلم رانا	. ڈاکٹر عصمت اللّٰہ زا <i>ھد</i>	
		♦♦		

PASHTO

(There will be two papers of 100 marks each)

Marks : 100	-	CLASS –XI(PART-I)		Time: 3 Hours
	1.	Classical Prose	20	
	2.	Modern prose	30	
	3.	Letter-writing	15	
	4.	Narrative	10	
	5.	Translation	15	
	6.	Grammar	10	
			Total:-100	

Syllabus.

PARTI

- 1. Text (Prose)
- مباحث اسم و فعل Grammar

Prescribed Textbook.

Pashto Hissa Nassar – Pashto Academy (Produced by Peshawar Board and Published by M/S. Azmat Bros, Peshawar)

Marks : 100		CLASS –XII(PART-II)		Time: 3 Hours
	1.	Classical Poetry	30	
	2.	Modern prose	20	
	3.	Essay	20	
	4.	Précis writing	10	
	5.	Simple criticism	10	
	6.	Grammar	10	
			Total:- 100	

Syllabus.

PART II

- 1. Text (Poetry)
- مباحث حرف ومركب **2.** Grammar

Prescribed Textbook.

Pashto Hissa Nazam – Pashto Academy (Produced by Peshawar Board and Published by M/S. University Book Agency, Peshawar)



فارسي

کل نمبر:100	برائے جماعت گیار ہویں (پارٹ-۱)	وقت:3:00 گھنٹے
۳۰نمبر	بثر كاسليس ار دوتر جمه بحو اله متن ومصنف	ا۔ حصہ نثر۔
۲۵نمبر	ر دومیں ترجمہ و تشر کے	
+انمبر	ید علی حجویری،سدیدالدین محمد عوفی،نور الدین محمد جهانگیر	سر مصنفین۔
	ظامی گنجوی،حافظ شیر ازی،علامه اقبال حالات زندگی واد بی خدمات	شعرا-
۵انمبر	رائے گیار ھویں جماعت کے اسباق کے آخر میں دی گئی تمارین پر مبنی سوالات	همه کتاب فارسی .
• انمبر	()	۵۔ خط یا در خواست (فارسی میر
٠ انمبر	ر <u>ق جملے</u>)	۲۔ اردوسے فارسی ترجمہ (متف
کل نمبر:100	برائے جماعت بار ہویں (پارٹ-۱۱)	وتت:3:00 گھٹے

۰ س _ا نمبر	حصه نثر۔ نثر کاسلیس ار دومیں ترجمہ بحوالہ متن ومصنف	
,		
۲۵نمبر	حصه لقم۔ اشعار کاار دوتر جمہ و تشر تک	_٢
• انمبر	مصنف اور شاعر کے حالات زندگی واد فی خدمات	س
	م صنفین ۔ ابوالفضل بیہقی۔ علی بن حسین واعظ کاشفی۔ محمر حجازی	
	شعرا۔ ابوسعیدابوالخیر۔غنیمت تنجاهی۔نظیری نیشاپوری	
۵نمبر	(i) نصابی کتاب کے اسباق کے آخر میں دی گئی 'پر سش' پر مبنی سوالات	_^
•انمبر	(ii)نصابی کتاب کے اسباق کے آخر میں دی گئی 'تمارین' پر مبنی سوالات	

۲_ مضمون نولیی(فارس میں)

۵۔ متفرق اردوجملوں کا فارسی میں ترجمہ

Explanation reference to context. Translation from Persian into Urdu/ Bengali Biographical Notes on Authors and Peots.

ناشرين: 1- آزاد بک ڈپواُر دوبازار ، لاہور 2- پریمئر بکہاوس اُر دوبازار ، لاہور



SINDHI

(There will be two papers of	100 marks each)
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Marks: 1	00	CLASS-XI (PART-I)	Time :	3 Hours
1.	Prescrib	ed Textbook (Prose 40 + Poetry 40)	80	
2.	Study of	language and appreciation	<u>20</u>	
			Total:- 100	
			10tal 100	

Marks : 100	CLASS-XII (PART-II)	Time: 3 Hours
1.	Grammar	20
2.	Composition	30
3.	History of Sindhi language	25
4.	History of Literature	<u>25</u>
		Total:- 100

PART-I

Syllabus: 1. Prescribed Textbooks

a. Prose	، يا كثر تخشاطهيا	۲_روح رهاٹ		عرف غازى صلاح الدين	ا_طلسم
b. Poetry: טאויט	،(اختیاری)یار هین تابار هیه	۲_سنئری نصاب		ليف نوسر كاموذ	ا_شاه لط
	ر هياد بن	ئەزىكارىل شعر ياژ	هي		
غزل۲	حاجی سیو پوری	-16	غزل اتا	ا خلیفه گل محمر	-1
غزل۲	ر شید لا شاری	-17	غزل اتا	مير عبدالحسين سائكى	-2
غزل ا تا٣	شيخ عبدالحليم جوش	-18	غزل اتا	مر زاقلیج بیگ	-3
	مر زاقلیج بیگ حیاتی	-19	غزل اتا	میاں علی محمد قادری	-4
سهوره کلام	حافظ عبدالله بسمل	-20	غزل ۲	سثمس الدين بلبل	-5
تاج محل	ڪشيچند بيوس	-21	چارچيز	محمد زمان حیات شاہ	-6
وطن جی حب تاجشن آزادی	نیاز علی نیاز	-22	غزل اتا	حافظ حيات شاه	-7
وقت جي پيار	لبر دەمنتدى	-23	غزل اتا	فتح محمر سيوهائى	-8
مھراٹ جی ماتری	سليم گاڙ ھوري	-24	غزل اتا	نواز علی نیاز	-9
ثیبی رباعیون میسی رباعیون	حيدر بخش جيو ڻيي جون	-25	غزل	مولوی حاجی احمہ ملاح	-10
Sec	ایاز قادری	-26	غزل ا تا ۳	محمدابراتيم	-11
كافى بسر ه	مصری شاہ جی	-27	غزل ۲	الله بخش سرستار عقیلی	-12
گيت	نیاز برخی	-28	غزل ا	شيخ عبد الله	-13
د يپک	تنوير عباسی جو گيت	-29	غزل ا	اخترهالائي	-14
·	منظور نقوی گیت	-30	غزل ا تام	طالب المولى	-15

Study of Language and appreciation with reference to the test:

- 1. Idioms Proverbs
- 2. Derivatives
- 3. Figures of speech
- 4. Elementary prosody and scansion of the m ain three meters namel, Mutaqarib, Hjaz and Remal

The following books are recommended:

- 1. Tankeed-e-Adab by Ibrahim Khalil
- 2. Ilam Badn by Sandelo.

PART II

This paper shall be devoted to the thorough study of Grammar, composition, language and literature.

a. Grammar

Thorough and complete study of Grammar on advance level including analysis, scansion etc.

b. Composition:

- 1. Essay-writing
- 2. Dialogues and debates
- **3.** Story-writing
- 4. Petitions and memorandum writing

c. History of Sindhi Language

d. Outlines of Sindhi literature upto pre-British period

The following books may be used for the study of the above mentioned topics:



نصاب ار دو (اختیاری)

کل نمبر:100	برائے جماعت گیار ہویں (پارٹ-۱)	وقت:3:00 <u>گفت</u> ے
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	حصہ نظم		حصة نثر
10	شاعرکے حوالے سے ایک جز کی تشر سے (نظم، مرشیہ)	1+	نثر پاروں کی سیاق وسباق کے حوالے سے تشریح
1.	شاعرکے حوالے سے ایک جز کی تشر سے (حمد و نعت،	1+	اسباق پر سوالات
1*	منقبت، قطعه،رباعی)	1+	کر داروں کے بارے میں نوٹ
1+	شاعر پر تنقیدی نوٹ	1•	تاریخ وزبان ادب اردو(خاکه)
		+ 4	نثر نگاروں کے بارے میں سوال
			قواعد
		1+	اصنافِ نظم ونثر کی تعریف
		1+	علم بيان وبديع

کل نمبر:100	برائے جماعت بار ہویں (پارٹ-۱۱)	ونت:3:00 گھنٹے
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	حصه نظم		حصة" نثر
10	غزل کے دواجزامیں سے ایک کی تشر تک	1+	نثر پاروں کی سیاق وسباق کے حوالے سے تشریح
1+	نظم کے دواجزامیں سے ایک کی تشریح	1+	اسباق پر سوالات
1+	شاعر پر نوٹ	1+	ناول پر سوالات
		1+	پاکستانی زبانوں کے تراجم
		+۵	نثر نگاروں کے بارے میں سوال
			اثا
		۲٠	مضمون
			مر قع ادب(برائے گیار ھویں /بار ھویں جماعت)
	2_ پروفیسر سمعیه جلیل صدیقی		مصنفین: 1_ڈاکٹر محمد خان اشر ف



3- پروفیسر اشتیاق احمر ملک محمد افضل اینڈ سنز ار دوبازار لاہور

ناشر:

4_ پروفیسر ایاز اصغر شاہین

HEALTH AND PHYSICAL EDUCATION

(Outlines of tests)

Part-I (Class-XI) Marks: 85 Part-II (Class-XII) Marks: 85 **Practical** Marks: 30

کل نمبر:85	برائے جماعت گیار ہویں (یارٹ-۱)	وقت:3:00 گھنٹے
33.71	(_0.00.0

حصيراول

ا۔ تعلیم جسمانی کی تعریف اور اہمیت

۲۔ تعلیم جسمانی کے اغراض ومقاصد

س جسمانی سر گرمیوں کا دائرہ کار استعلیمی جمناسٹک ۲۔ تفریخی مشاغل سولہ قامت اور قامتی نقائص

لڑکوں کے لیے:۔ نیٹ ہال، والی ہال لڑکیوں کے لیے:۔ نیٹ ہال، والی ہال

یم۔ منظم کھیل

لڑ کوں کے لیے: اوگولہ پھینکنا ۲۔ سہ جست سے 100×4میٹر ڈاک دوڑ (ان کی مہارتیں)

۵۔ کسرتی کھیل

لڑ کیوں کے لیے:ا۔ گولہ کچینکنا ۲۔ تھالی کچینکنا سے۔100×4میٹر ڈاک دوڑ (ان کی مہارتیں)

حصه دوئم

ا۔ صحت کی تعریف اور تعلیم جسمانی سے اس کا تعلق

۲۔ انسانی جسم اور اس کی کار کر دگی ا۔ نظام دوران خون ۲۔ نظام تنفس

س. قامت اور قامتی نقائص اور ان کی اصلاحی ورز شیں

۳- ابتدائی طبی امداد استام شکستگی اور اقسام شکستگی اور اقسام شکستگی

۵۔ متعدی امراض کے اساب اور چیک، جیموٹی چیک، خسرہ، ہیضہ، تپ محرقہ (ٹائی فائیڈ)

روک تھام

نوٹ:۔ معروضی حصہ میں لڑ کوں اور لڑ کیوں کے لیے بر ابر چوائس (Choice) دیا جائے گا۔ پر کیٹیکل اسٹ برائے فزیکل ایجو کیشن یارٹ-ا یارٹ-ایونیفارم اچھا کھلاڑی اور عملی کائی کے

ا۔ تعلیمی جمناسک ا۔بازوں کی ورزشیں ۲۔ٹاگوں کی ورزشیں ۱۰دھڑکی ورزشیں ۲۰سیدھی قلابازی ۵۔الٹی قلابازی

r منظم کھیل لڑکوں کے لیے:فٹ بال،والی بال(ان کی مہارتیں)،لڑکیوں کے لیے:والی بال،نیٹ بال(ان کی مہارتیں)

س کسرتی کھیل لڑکوں کے لیے: اوگولہ چینکنا ۲۔سہ جست سے100×4میٹر ڈاک دوڑ (ان کی مہارتیں) لڑ کیوں کے لیے: ا۔ گولہ بھینکنا ۲۔ تھالی بھینکنا سے۔ 100×4میٹر ڈاک دوڑ (ان کی مہارتیں)

کل نمبر:85	برائے جماعت بار ہویں (پارٹ-۱۱)	وتت:3:00 گھنٹے
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حصيراول

کھلاڑی کے اوصاف ا۔ کھیلوں کی افادیت

(لڑکوں کے لیے: ھاکی،باسک بال) (لڑکیوں کے لیے: بیڈ منٹن،ٹیبل ٹینس) ۲۔ منظم کھیل

لڑ کوں کے لیے: انیزہ پھیکنا ۲۔ اونچی چھلانگ سالمبی چھلانگ سم-400 میٹر کی دوڑ سه کسرتی کھیل

لڑ کیوں کے لیے: اونیزہ پھیکنا ۲-اونچی چھلانگ سے400 میٹر کی دوڑ

حصبه دوئم

ا- جسمانی نظام انهضام ۲- نظام عضلات

۲۔ خوراک اورغذا ا۔خوراک کے اجزاء ۲۔ متوازن خوراک سرمشروبات

س مشات اور ان کے اثرات انیون + نکوٹین + خواب آور گولیاں اور مار فیا، سکھیا

۳۔ جنسی حفظان صحت کی تعلیم ۵۔ ابتدائی طبی امداد (آگ، زہر، مصنوعی تنفس)

پر کیٹیکل لسٹ برائے فزیکل ایجو کیشن یارٹ-II

يونيفارم اجيما كهلازي اور عملي كايي

ا۔ تعلیمی جمناسٹک ا۔ پیپے کی ورزشیں ۲۔ پہلووں کی ورزشیں ۸۔ توازن کی ورزشیں ۸؍ سر کے بل کھڑے ہونا۔ ۵۔ محراب بنانا

۲۔ منظم کھیل لڑکوں کے لیے: ا۔ ہاک ۲۔ باسک بال (ان کی مہارتیں)

لڑ کیوں کے لیے: ابیڈ منٹن ہے۔ پیل ٹینس (ان کی مہارتیں)

سرتی کھیل لڑکوں کے لیے: اپنرہ کھینکنا ۲۔ اونچی چھلانگ سرتی چھلانگ ۸۔ تیز دوڑ کاسٹارٹ (ان کی مہارتیں) لڑ کیوں کے لیے: اپنیزہ چینکنا ۲۔اونچی چھلانگ سویتیز دوڑ کاسٹارٹ(ان کی مہارتیں)

> ہیلتھ انڈ فزیکل ایجو کیشن مجوزه كتاب:

طارق پیلشنگ ماوس برائے ٹیکسٹ مک بورڈ ،لا ہور۔ پېلشر:

مصنفین: **ا**_مس صابره اعظم

ونگ کمانڈر (ریٹائرڈ)حمید علی صوفی ایڈیٹر:

♦----♦

۲_مس ای _ بوخان

EDUCATION

Marks: 100	PART-I (Class- XI)	Time: 3:00 Hours
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UNIT-I CHAPTER-I EDUCATION

Weightage 40%

Concepts

Concepts

- **1.** Introduction to Education
- 2. Elements of Education
- **3.** Functions of Education

Contents

- 1. Importance and description of Education
- 2. Role and Scope of Education as a subject/discipline, Teachers, Students, Content areas, Milieu, Environment Culture
- 3. Function of Education
- **4.** Model of Education. Formal, informal and nonformal, Conversation, Transmission, Reformation

CHAPTER-II AIMS OF EDUCATION Concepts

1. Aims of Education

Contents

- 1. Spiritual and Moral aims
- 2. Intellectual aims
- 3. Economic / Vocational aims
- 4. Citizenship (Socio-cultural) aims
- **5.** Types of Education: Specific, General

CHAPTER-III FOUNDATIONS OF EDUCATION

Concepts

Contents

- 1. Foundation of Education
- 2. Islamic Foundation
- **3.** Philosophical foundation
- 4. Psychological foundation
- 1. Introduction
- **2.** Islamic Foundation of Education
- 3. Importance of Education in Islam
- 4. Sources of knowledge Philosophical foundations
- **5.** What is Philosophy, Philosophical Foundation, Ideology, Religious, Customs, nouns & students
- **6.** Relationship between philosophy and Education
- **7.** Contribution of Philosophy to Education Psychological foundations
- **8.** What is Psychology?
- **9.** Relationship between Education and Psychology
- 10. Contribution of Psychology of Education
- 11. Meaning of Sociology and Economics
- **12.** Relationship and Contribution of Sociology and Economics to Education Social benefits, Economics benefits

UNIT-II CHAPTER-IV HUMAN DEVELOPMENT

Weightage 20%

Concepts

1. Human development

- 2. Factors effecting Development
- **3.** Individual differences (meaning and definition)
- Causes of individual differences

Contents

- 1. Explanation of the concepts of Human Development and Growth
- Difference between growth and development with examples Principles of Development.
 Nature, Nurture, Family Care, Food, Climate, Heredity, Environment
- Individual differences and teaching learning process

CHAPTER-V LEARNING

Concepts

- 1. Learning
- 2. Methods of learning
- 3. Laws of Learning
- 4. Conditions of learning
- 5. Theories of learning

Contents

- 1. Meaning and definitions
- **2.** Trail and error, imitation, insight (arising from intellectual rigour, learning by doing)
- 3. Law of readiness
- 4. Law of Exercise
- 5. Law of Effective

- 6. Readiness, motivation, interest Attention, meaningful / relevant, attitude
- 7. Behaviorist theories
- 8. Cognitive theories

UNIT-III Weightage 30%

CHAPTER-VI SOCIETY COMMUNITY AND EDUCATION

Concepts

- 1. Society Community and Education
- 2. Development
- 3. Progress

Contents

- Society and community (meaning and definition)
- Explain the Interrelationship of society and 2. Education
- 3. Description of the role of education in the development of individual and society

CHAPTER-VII GUIDANCE AND COUNSELING

Concepts

- 1. Guidance and counseling
- 2. Methods

Contents

- 1. Guidance and counseling (meaning and definition)
- Needs & role of guidance and counseling in school 2.
- Forms of guidance (Education and Career) 3.
- Need and importance of counseling in schools 4.
- Types and methods of counseling 5.

CHAPTER-VIII CURRICULUM, SYLLABUS AND TEXTBOOK

1.

Concepts

- 1. Curriculum, syllabus and textbooks
- 2. Curriculum development
- 3. Impact of teaching learning process
- 4. Discussion regarding characteristics of good curriculum
- 5. Characteristics of good textbooks
- 6. Impact of curriculum on effective teaching learning process

- **Contents** Meaning and definition of curriculum
- 2. Differences between curriculum, syllabus and textbooks
- 3. Components of curriculum and their interrelationship
- 4. Importance of Assessment and evolution

Marks: 100 PART-II (Class-XII) Time: 3.00 Hours

UNIT-I Weightage 47%

CHAPTER-IX MUSLIM EDUCATION IN SUB-CONTINENT

Concepts

Contents

- 1. Salient features of Education
- System of Muslim Era
- 1. Historic back ground (Maktab, Madrassa Education)
- Contribution of Muslim thinkers towards education with special reference to: Al-Ghazali, Ibni-Khaldon, Ibni-Seena, Al-Zurnuzi
- 3. Concept of knowledge
- Aims & objective of education 4.
- 5. Curriculum
- Methods of teaching 6.
- 7. Student training relationship
- Salient feature, of the Muslim system of Education in Indo-Pak. Objectives, Curriculum and Content, Administration, Teaching Methods, Evaluation

CHAPTER-X BRITISH EDUCATION SYSTEM IN SUB-CONTINENT Concepts Contents

- 1. British Education system in the sub- continent
- 1. Introduction
- Beginning of East Indian Company Charter act (1813), Woods dispatch (1854), Sergeant Report (1944)

Muslim Education Movements:

Deoband Movement, Ali Garh Movement

CHAPTER- XI POLICIES AND PLANS OF EDUCATION IN PAKISTAN

Concepts

Contents

1. Policies and plans of Education in Pakistan

Introduction:

Implications of Ideology of Pakistan for Education, Salient feature of the following Education policy. First Educational Conference 1947, Report of the commission on NE, 1959, Education Policy 1970,

Education Policy 1972. Education Policy 1972-80.

NEP and Implemental Programme 1979. National Education Policy 1992-2002. National Education Policy 1998-2010.

UNIT-II Weightage 43%

CHAPTER-XII EDUCATIONAL PROBLEMS IN PAKISTAN

Concepts Contents

Issues and problems. Educational issues and problems in Pakistan:

> Population growth, Low Enrolment and heavy drop out, Low literacy, Indiscipline, Female Education, Economic and social conditions, Physical condition of educational institutions, Quality of Education, Investment in Education, General attitude towards

education

CHAPTER-XIII ROLE OF VARIOUS ORGANIZATIONS CONTRIBUTING TOWARDS **EDUCATION**

Concepts

1. Organization.

2. Administration.

3. Management.

4. Public Private Sectors

Contents

Administration:

University Education

Provincial Department of Education

District level Management. Private Sector organizations

Curriculum and textual material development

Federal Ministry of Education Curriculum Wing

Provincial Bureaus of Curriculum

Textbook Boards

Private Sector organization

Staff Development

Colleges of Education, Government Elementary College of Education, Private Sector Organization

Examination:

Federal Board of Intermediate and Secondary

Education (FBISE)

Provincial Boards of Intermediate and Secondary

Education (BISES)

Boards of Technical Education (BTE)

Rural Development Education

Recommended Book: Education Part-I &II

Authors: 1) Prof. Dr. Irshad Ahmad Farakh 2) Abdul Salam Ch.

Publisher: Raza Book Depot, Lahore.

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GEOLOGY

Distribution of Marks:

Part-I (Class-XI) Theory Marks: 85 Part-II (Class-XII) Theory Marks: 85 Practical: 30

Total : 200

Marks: 85 PART –I (CLASS-XI) Time: 3:00 Hours

1. PHYSICAL GEOLOGY

Rivers and Landscape: Geological Processes. Weathering and Erosion. Processes of Stream Erosion; Transportation by streams. Competence and Capacity of Streams. Drainage Basin. Valley Growth. Base level; Groded Stream. Cross Profile, Drainage Pattern, Meandering. Cycle of Erosion. Land forms like Questa, Escarpment, Dipslope. Mesa. Groundwater: Porosity and Permeability: Groundwater zones; Movement and Discharge of Groundwater; Erosion and Transportation due to Groundwater; Deposition by Groundwater; Water-logging and Salinity in Pakistan.

2. CRYSTALLOGRAPHY

Elements of symmetry, plane, axis and centre of symmetry. Symmetry of normal classes only. An outline study of the six systems of symmetry.

3. MINERALOGY

The common rock-forming minerals; their physical characters, chemical composition and modes of origin and occurrence; Quartz, Felspar Mica. (Muscovite and Biotite), Olivine, Augite, Hornblende, Garnet, Tourmaline, Eepidote, Chlorite, Apatite, Zircon, Kyanite. Economic minerals, and rocks, their chemical composition, occurrence and uses; Diamond, Graphite, Sulphur, Gold, Silver, Copper, Magnetite, Haematite, Limonite, Galena, Zincblende, Cinnabar, Stibnite, Chalcopyritc, pyrite, Orpiment, Argentite, Corundum, Cassiterite, Chromite, Spinel, Rutile, Bauxite, Pyrolusite Psilomelane, Magnesite, Siderite, Aragonite, Malachite, Apatite, Halite, Magnganite, Rhodocrosite, Calcite, Dolemite, Flourite, Barytes, Celestite, Gypsum.

4. PETROLOGY

What is magma? What are igneous rocks and how they are formed What are sedimentary rocks. How they are formed. Classification of Sedimentary rocks. What is metamorphism? What are the main types of metamorphism and how the metamorphic rocks are formed? Outline classification of igneous rocks. An outline of their modes of origin and their recognition. Granite, Aplite, Pegmatite, Granite Porphyry, Felsite, Felsite porphyry, Obsidian, Pitchstone, Pertite, Pumice, Volcanic ash, Tuff, Breccia, Agglomerate, Diorite, Quartz Diorite, Diorite porphyry, Basalt Porphyry, Melaphyre, Basalt Trap, Trap, Andesite, Gabbro Diabase, Quartz Gabbro, porphyry, Pyroxenite, Dunite, Hornblendite/Peridotite, Serpentine.

Common sandstone, Graywacke, Limestone, Dolomite, Marl, Conglomerate, Shale, Mudstone, Siltstone.

Quartzite, Chlorite acdnolite schists, Biotite Schist, Garnet Mica Sohist, Gneiss, Granite Gneiss, Kyanite, Amphi bolite, Talc schist, Serpentinite, Hornfelse.

Marks: 85	PART -II (CLASS-XI)	Time: 3:00 Hours
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1. PALAEONTOLOGY

General Introduction to animal kingdom. Brief resume of Invertebrate Palaeontology. Classification of Vertebrates upto class level. Brief outline of Jawless Vertebrates, Fishes, Amphibians, Reptiles, Birds and Mammels. Sequence of vertebrates through time. Cainozoic fossil vertebrates.

2. STRATIGRAPHY:

Introduction to stratigraphy, Principles of Stratigraphy. Standard Time Scale. Significance of terms used in Time Scale. Distribution of Vertebrate fossils in Siwalik Group of Pakistan and its important Vertebrate fossils. Brief description of the Indus Basin.

3. PHYSIOGRAPHY

Physical features of Pakistan.

Geological Structures: Structures produced by diasirophism.

Nature of Earth Movements: Orogenesis. Epeirogenesis, Folded mountain, Geosynclines,

Mountain building,

Faulting: Elements of faults. Simple classification of faults

(displacement and slip-classifications).

Joints and Cleavage: Elementary concepts.

LIST OF PRACTICAL FOR PART-I & II

Interpretation of morphology from toposhects including profile drawing. Definition of Outcrop, dip and strik. Simple completion of outcrop and determination of dip. Drawing of simple geological sections.

Determination of the hardness of minerals, determination of specific gravity of minerals and rocks by Walker's and Jolly's balance.

Recommended Books:

- **1.** Geology: An Introduction to Principles of Physical and Historical Geology (Second Edition) by Richard M. Pearl.
- 2. Geology by Richard M. Field (Fourth Edition).
- 3. An Introduction to Geology by Sir Arthur E. Trueman.
- 4. Rutley's elements of Mineralogy by H.H. Read.



SOCIOLOGY

(There will be two papers of 100 marks each)

Marks: 100 PART -I (CLASS-XI) Time: 3 Hours

GENERAL SOCIOLOGY

Syllabus

1. Introduction:

Definition of Sociology, Sociology as a scientific discipline, Important fields of Sociology, Sociology in every day life

2. Social Action and Social Interaction

Definition, Distinction

3. Social Group

Definition, Formation of Social Groups, Types: primary group; secondary group membership group, non-membership groups in-group, out group; locality group, formal and informal group

4. Role and Status:

Definition, Types: ascribed, achieved, Role conflict.

5. Norms, Sanctions and Values;

Definition, Types of norms: folkways, motes, laws, Types of sanctions: positive, negative; formal, informal, Non-conformity and Social control, Value conflict.

6. Origin and Development of Society:

Nature of man, Difference between animal and human society, Important factors in the development of society, Types: rural-urban nomadic-sedentary; traditional-modren.

7. Culture:

Definition, Uniformities and variabilities of culture, Cultural change and its processes: diffusion, acculturation, accommodation assimilation, Cultural Relativism and Ethnocentrism

8. Social Institutions:

Definition, Major institutions: Famils education, religion, polity, economy

9. Social Stratification:

Definition, Class and caste, Social mobility, Determinants of social stratification.

10. Social Change:

Definition, Social change and its processes.

Marks: 100	PART -II ((CLASS-XII))	Time: 3 Hours
PAKISTANI SOCIETY AND CULTURE				

1. Introduction:

Ethnic origin of Pakistani people, Cultural heritage, ideological foundations of Pakistan.

2. Pakistani society -Sub - Cultural Composition

Major sub-cultural groups in Pakistan, Similarities and differences among different Sub-cultural groups, Problems of national integration

3. Village Life in Punjab:

Village settlement, Major Institutions: Family and Braderi, Political relations, Economic relations, Religion Education.

4. Population of Pakistan:

Size, Current Growth patterns, Composition: age, sex, education, Distribution - Regional and rural-urban, Growth of cities.

5. Social Problems in Pakistan:

Over population, its implications and remedies, Poverty, its causes and possible remedies, Illiteracy, its implications and remedies.



PHYSICS

Distribution of Marks:

Part-I (Class-XI)
Theory Marks: 85
Theory Marks: 85
Practical: 30

Total : 200

Warks. 05 FART = I (CLASS-AI) Tillie. 3.00 Hours	Marks: 85	PART –I (CLASS-XI)	Time: 3:00 Hours
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CHAPTER:1	Measurements
1.1	Physical Quantities and Their Units
1.2	International System of Units
1.3	Uncertainty In Measurement
1.4	Use of Significant Figures
1.5	Precision And Accuracy
1.6	Assessment of Total Uncertainty In The Final Result
1.7	Dimensions of Physical Quantities
CHAPTER:2	Force and Motion
2.1	Scalars
2.2	Vectors
2.3	Product of Two Vectors
2.4	Equations of Motions
2.5	Motion Under Gravity
2.6	Projectile Motion
2.7	Momentum
2.8	Elastic And Inelastic Collisions
2.9	Inelastic Collision in One Dimension
2.10	Elastic Collision In Two Dimensions
2.11	Inelastic Collision in Two Dimensions
2.12	Rocket Propulsion
CHAPTER:3	Circular and Rotational Motion
3.1	Angular Measurements
3.2	Centripetal Force
3.3	Artificial Satellites
3.4	Moment of Inertia
3.5	Angular Momentum
3.6	Law of Conservation of Angular Momentum
CHAPTER:4	WORK , ENERGY and Power
4.1	Work Done By a Constant Force
4.2	Work Done By a Variable Force
4.3	Conservative And NON-Conservative Forces
4.4	Power
4.5	Energy
4.6	Escape Velocity
4.7	Work-Energy Theorem
4.8	Interconversion Of Potential Energy And Kinetic Energy
CHAPTER:5	Solids and Fluid Dynamics
5.1 5.2	Classification Of Solids
5.2 5.3	Mechanical Properties Of Solids
	Stress, Strain And Young,s Modulus
5.4 5.5	Determination Of Young's Modulus Of a Wire Elastic Deformation, Plastic Deformation And Elastic Limit
5.6	Strain Energy In Deformed Materials
5.7	Archimedes' Principle And Floatation
5.8	Steady, Non-Viscous And Ideal Fluid
5.9	Equation Of Continuity
5.10	Increase in Flow Velocity
5.11	Bernoulli's Equation
V	Bomodii o Equation

E 40	Hoos Of Bornauli's Faustian
5.12	Uses Of Bernoulli's Equation
5.13	Visous Drag And Stokes'Law
5.14	Terminal Velocity
5.15	Real Fluids Are Visous Fluids
5.16	Superfluids
CHAPTER:6	Heat and Thermodynamics
6.1	Assumptions Of The Kinetic Theory Of Gases
6.2	Internal Energy
	Heat And Work
6.3	
6.4	First Law Of Thermodynamics
6.5	Reversible and Irreversible Processes
6.6	Heat Engine
6.7	Second Law of Thermodynamics
6.8	Carnot Engine And Carnot's Theorem
6.9	Referigerator
6.10	Entropy
CHAPTER:7	Waves and Vibrations
7.1	Waves
7.2	Principle of Superposition of Waves
7.3	Interfernce and Its Types
7.4	Stationary Waves & Their Formation
7.5	Stationary Waves On a Stretched String
7.6	Stationary Waves In Air Columns
7.7	Experiment Demonstrating Stationary Waves Using Microwaves
7.8	Diffraction of Waves
7.9	Beats
7.10	
	Intensity (I) Of A Wave
7.11	Doppler Effect
7.12	Applications Of Doppler Effect
CHAPTER:8	Physical Optics And Gravitational Waves
8.1	Polarization of Light
	Polarization of Light Types Of Polarization
8.1	Polarization of Light
8.1 8.2	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights
8.1 8.2 8.3 8.4	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection
8.1 8.2 8.3 8.4 8.5	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law
8.1 8.2 8.3 8.4 8.5 8.6	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs)
8.1 8.2 8.3 8.4 8.5 8.6 8.7	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux Gauss's Law
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3 9.4	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux Gauss's Law Electric Potential
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux Gauss's Law
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3 9.4	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux Gauss's Law Electric Potential Electron Volt
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3 9.4 9.5 9.6 9.7	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux Gauss's Law Electric Potential Electron Volt Motion Of Charged Particles In a Uniform Electric Field
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3 9.4 9.5 9.6 9.7	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux Gauss's Law Electric Potential Electron Volt Motion Of Charged Particles In a Uniform Electric Field Path Of a Charged Particle
8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux Gauss's Law Electric Potential Electron Volt Motion Of Charged Particles In a Uniform Electric Field Path Of a Charged Particle Shielding From External Electric Field
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8.1 8.2 8.3 8.4 8.5 8.6 8.7 CHAPTER:9 9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14 9.15 9.17 9.18	Polarization of Light Types Of Polarization Production and Detection Of Plane Polarized Lights Polarization Of Light ByThe Method Of Reflection Malus's Law Gravitational Waves (GWs) Interferometer Electrostatics and Current Electricity Coulomb's law Electric Field Strength Electric Flux Gauss's Law Electric Potential Electron Volt Motion Of Charged Particles In a Uniform Electric Field Path Of a Charged Particle Shielding From External Electric Field Electric Current Current Through A Conductor OHM'sLaw Resistivity And Its Dependence Upon Temperature Electrical Power Electromotive Force (EMF) And Potential Difference KIRCHHOFF'S Rules
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Recommended Book: Physics Part-I

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Marks: 85 PART –II(CLASS-XII) Time: 3:00 Hours

CHAPTER:12 ELECTROSTATICS

Coulomb's Law. Fields of Force. Electric Field Lines. Applications of Electrostatics. Electric Flux. Electric Flux through a Surface enclosing a Charge. Gauss's Law. Applications of Gauss's Law. Electric Potential. Electron Volt. Electric and Gravitational Forces (A Comparison). Charge on an Electron by Millikan's Method. Capacitor. Capacitance of a Parallel Plate Capacitor. Electric Polarization of Dielectrics. Energy Stored in a Capacitor. Charging and Discharging Capacitor

CHAPTER: 13 CURRENT ELECTRICITY

Electric Current. Source of Current. Effects of Current. Ohm's Law. Resistivity and its Dependence upon Temperature. Colour code for Carbon Resistances. Electrical Power and Power Dissipation in Resistors. Electromotive force (EMF) and Potential Difference. Kirchhoff's Rules. Wheatstone Bridge. Potentiometer

CHAPTER:14 ELECTROMAGNETISM

Magnetic Field due to Current in a long Straight Wire. Force on a Current Carrying Conductor in a Uniform Magnetic Field. Magnetic Flux and Flux Density. Ampere's Law and Determination of Flux Density B. Force on a Moving Charge in a Magnetic Field. Motion of Charged Particle in an Electric and Magnetic Field. Determination of e/m of an Electron. Cathode ray Oscilloscope

Torque on a Current Carrying Coil. Galvanometer. Avo Meter - Multimeter

CHAPTER: 15 ELECTROMAGNETIC INDUCTION

Induced EMF and Induced Current. Motional EMF. Faraday's Law and Induced EMF. Lenz's Law and Direction of Induced EMF. Mutual Induction. Self Induction. Energy Stored in an Inductor. Alternating Current Generator. D.C. Generator. Back Motor Effect in Generators. D.C. Motor. Back EMF Effect in Motors. Transformer

CHAPTER:16 ALTERNATING CURRENT

Alternating Current. A.C. Circuits. A.C. through a Resistor. A.C. through a Capacitor. A.C. through an Inductor. Impedance. R-C and R-L Series Circuits

Power in A.C. Circuits. Series Resonance Circuit. Parallel Resonance Circuit

Three Phase A.C. Supply. Principle of Metal Detectors. Choke. Electromagnetic Waves. Principle of Generation, Transmission and Reception of Electromagnetic Waves. Modulation

CHAPTER:17 PHYSICS OF SOLIDS

Classification of Solids. Mechanical Properties of Solids. Electrical Properties of Solids. Superconductors. Magnetic Properties of Solid

CHAPTER:18 ELECTRONICS

Brief Review of p-n Junction and its Characteristics. Rectification. Specially Designed p-n Junctions. Transistors. Transistor as an Amplifier. Transistor as a Switch. Operational Amplifier. Op-Amp as Inverting Amplifier. Op-Amp as Non-Inverting Amplifier. Op-Amp as A Comparator. Comparator as a Night Switch

Digital Systems. Fundamental Logic Gates. Other Logic Gates. Application of Gates in control Systems

CHAPTER: 19 DAWN OF MODERN PHYSICS

Relative Motion. Inertial Frame of Reference. Special Theory of Relativity. Black Body Radiation. Interaction of Electromagnetic Radiation with matter. Annihilation of Matter. Wave Nature of Particles. Uncertainty Principle

CHAPTER:20 ATOMIC SPECTRA

Atomic Spectra. Bohr's Model of the Hydrogen Atom. Inner Shell Transitions and Characteristic X-Rays. Uncertainty within the Atom. Laser

CHAPTER:21

NUCLEAR PHYSICS

Atomic Nucleus. Isotopes. Mass Deffect and Binding Energy. Radioactivity

Half Life. Interaction of Radiation with matter. Radiation Detectors. Nuclear Reactions. Nuclear Fission. Fusion Reaction. Radiation Exposure. Biological Effects of Radiation. Biological and Medical uses of Radiation. Basic Forces of Nature. Building Blocks of Matter

LIST OF EXPERIMENTS IN PHYSICS FOR CLASS XII (PART-II)

- 1 To determine the resistance of wire by Slide Wire Bridge. Also calculate specific resistance of material of wire.
- 2 To determine the resistance of galvanometer by half deflection method. Also calculate the current for full scale deflection (or for 30 divisions).
- 3 To determine the resistance of a voltmeter by drawing a graph between R and $\frac{1}{x}$.
- **4** To study the variation of resistance of thermistor with temperature.
- 5 To convert a moving coil galvanometer into an ammeter of range (0 1)
- **6** To convert a moving coil galvanometer into a voltmeter of range (0 3 volts).
- 7 To study the relation between current passing through a tungsten filament bulb and potential difference applied across it.
- **8** To determine the internal resistance of a cell by using potentiometer.
- **9** To determine the EMF of a cell by using potentiometer.
- 10 To compare EMF's of two cells by using potentiometer.
- 11 To study the charging and discharging of a capacitor and to measure time constant.
- 12 To study the relation between current and capacitance when different capacitors are used in A.C circuit.
- 13 To study the characteristics of semiconductor diode and to calculate forward and reverse current resistance.
- **14** To study the characteristics of N-P-N transistor.
- **15** To verify the truth table for basic logic gates.
- **16** To make burglar alarm by using NAND gates.
- 17 To make a fire alarm by using NOT gate.
- 18 To study the variation of electric current with intensity of light using a photo cell.
- **19** To measure the high resistance by Neon Flash Lamp.

ESTIMATED TIME ALLOCATION AND WEIGHTAGE FOR VARIOUS CHAPTERS PHYSICS CLASS XII (PART-II)

Theory	Content	Periods	Weightage,
Chapter 12	Electrostatic	18	12%
Chapter 13	Current electricity	15	10% •
Chapter 14	Electro Magnetism	16	10%
Chapter 15	Electromagnetism Induction	12	8%
Chapter 16	Alternating current	18	12%
Chapter 17	Physics of solids	8	5%
Chapter 18	Electronics	10	7%
Chapter 19	Dawn of Modern Physics	18	12%
Chapter 20	Atomic Spectra	15	10%
Chapter 21	Nuclear Physics	20	14%
Total	*	150	100% .



CHEMISTRY

Distribution of Marks:

Part-I (Class-XI)
Theory Marks: 85
Theory Marks: 85
Practical: 30

Total : 200

	10tal : 200
Marks: 85	PART –I (CLASS-XI) Time: 3:00 Hours
CHAPTER:1	Periodic Table and Periodic Properties
1.1	Historical Background
1.2	Modern Periodic Table-Main Features
1.3	Metals, Non-Metals and Metalloids
1.4	Blocks In Periodic Table
1.5	Families In Periodic Table
1.6	Periodic Arrangement And Electronic Configuration
1.7	Periodicty Of Properties
1.8	Reactions of Sodium And Magnesium
1.9	Trends in Bonding In Oxides and Chlorides Of Period 3
1.10	Variation In oxidation Number In Oxides And Chlorides
CHAPTER:2	Atomic Structure
2.1	Atomic Structure Atomic Number, Proton Number And Nucleon Number; Identity Of an
4. I	Element
2.2	Effect Of Electric Field On Fundamental Particles
2.3	Expermental Evidences For The Electronic Configuration
2.4	Quantum Numbers
2.5	Shapes Of Atomic Orbitals
2.6	Electronic Configuration
2.7	Electronic Configuration Electronic Configuration And The Periodic Table
2.8	Electronic Configuration Of IONS and Free Radicals
2.9	Electronic Configuration And The Formation Of Semiconductors
CHAPTER:3	Chemical Bonding
3.1	Types Of Bonding
3.2	Electronegativity And the Type of Bond
3.3	Intermolecular Forces
3.4	Bond Energy And Bond Length
3.5	A Comparison Among IONIC, Covalent, Metallic Bonds and Intermolecular
3.3	Forces
3.6	Valence Bond Theory (VBT)
3.7	Atomic Orbital Hybridization
3.8	Valence Shell Electron Pair Repulsion Model (VSEPR)
3.9	Molecular Orbital Theory(MOT)
CHAPTER:4	Stoichiometry
4.1	Concept Of Mole
4.2	Relationship Between Mole, Molar Mass And Avogadro's Number
4.3	Molar Volume
4.4	Molar Mass And Density Of gases
4.5	Molar Concentration
4.6	Stoichiometric Relationships
4.7	Limiting And Excess Reactant
4.8	Theoretical Yield And Actual Yield
4.9	Importance Of Stoichiometry in Production And Dosage Of Medicine
CHAPTER:5	States and Phases of Matter
5.1	Properties Of Gases
5.2	Ideal Gas Equation
5.3	Properties of Liquids
5.4	Intermolecular Forces

Surface Tension Of Liquids

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5.6	Viscosity Of Liquids
5.7	Evaporation
5.8	Vapour Pressure
5.9	Boiling Point
5.10	Energetics Of Phase Changes
5.11	Solids
5.12	Types of Solids
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	·
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6.2	Energy Profile Diagram
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6.3	Standard Enthalpy Changes
6.4	Bond Energy (Bond Dissociation Energy) And Enthalpy Changes
6.5	Enthalpy Change Of Reaction (ΔH_r) And Chemical Bonds
6.6	Measurement Of Enthalpy Change Of a Reaction
6.7	Enthalpy Change And Calorie Content Of Food
6.8	HESS'LAW Of Heat Summation
6.9	Energetics Of Solution
6.10	Born-Haber Cycle
6.11	Entropy
6.12	The Free Energy Change, ΔG
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7.1	Collision Theory
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7.3	Factors Affecting Rate Of a Chemical Reaction
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7.5	Determination Of Rate Constant
7.6	Reaction Mechanism
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8.2	Reversible Reactions, Microscpic Events And Dynamic Equilibrium
8.3	Relation Between Macroscopic and Microscopic Events
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8.5	Conditions For Equilibrium
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8.11	LE-CHATELIER'S Principle
8.12	The Effect Of Change Of Concentrations
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9.8	Solubility Product
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9.10	Acid-Base Indicators
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10.2	Oxidation Number And Its Significance
10.3	Disproportionation Reaction
10.4	Oxidizing Agent (Oxidant) And Reducing Agent (Reductant)
10.5	Balancing Of redox Equations By Oxidation Number Method
10.6	Electrolytic Cell
10.7	Redox Reactions In Electrolysis
10.8	Mass Of a Substance Deposited During Electrolysis
10.9	Amount of Substance Produced During Electrolysis
10.10	Avogadro's Constant by The Electrolytic Method
10.11	Electrode Potentials
10.12	Standard Hydrogen Electrode (SHE)
10.13	Standard Electrode Potential(E°)
10.14	Measuring Standard Electrode Potentials
10.15	Electrochemical Cell (Galvanic Cell)
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10.17	Variation Of (E°) With ION Concentration
10.18	Nernst Equation
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11.2	Nomenclature
11.3	Reaction Mechanism And Modes Of Bond Breaking
11.4	Unreactive Nature Of Alkanes Towards Polar Reagents
11.5	Reactions Of Alkanes
11.6	Alkenes
11.7	Structure And Reactivity Of Alkenes
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11.10	Isomerism
11.11	Organic Redox Reactions
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12.1	Reactivity Of Nitrogen(N ₂)
12.2	Ammonia(NH ₃)
12.3	Oxides Of Nitrogen
12.4	Sources Of Oxides Of Nitrogen
12.5	Role Of NO&NO ₂ In Smog & Pan Formation
12.6 12.7	Catalytic Converter Intrification and Denitrification
12.7	Sulfur
12.8 12.9	Stability of Oxidation States Of Sulfur
12.10	Reactions Of Sulfur
12.10	Uses Of Sulfur And Its Compounds
12.12	Role Of Sulfur In Organic Synthesis
12.13	Sulfuric Acid(H ₂ SO ₄)
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13.2	Trend In Volatility Of The Halogens
13.3	The Bond Strength Of Halogen Molecules
13.4	Relative Reactivities Of The Halogens as Oxidizing Agents
13.5	Reactions Of the halogens With Hydrogen
13.6	Relative Thermal Stabilities Of Hydrogen Halides In Terms Of their Bond
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13.8	Reactions Of Halides With Aqueous Silver Ion Followed By Aqueous
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13.10	Reactions Of Chlorine With Cold and Hot Aqueous Sodium Hydroxide			
13.11	Use of Chlorine In Water Purification			
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14.3	Sources Of Air Pollution			
14.4	Sources Of Air Pollutants			
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16.6	Tests for Indentification Of			
16.7	Test For Indentification of E	Basic R	adicals	
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Marks: 85 PART –II(CLASS-XII) Time: 3:00 Hours

CHAPTER: 1 PERIODIC CLASSIFICATIN OF ELEMENTS AND PERIODICITY

Introduction: Historical Background, Improvements in Mendeleev's Periodic Table

The Modern Periodic Table: Group and Periods, Some More Families in the Periodic Table, Block in the Periodic Table, Metals, Non-metals and Metalloids

Periodic Trends in Physical Properties: Atomic Size, Ionization Energy, Electron Afinity, Metallic and Non-Metallic Character, Melting and Boiling Points, Oxidation State, Electrical Conductance, Hydration Energy

Periodic Relationship in compounds

The Position of Hydrogen

CHAPTER:2 BLOCK ELEMENTS

Introduction: Electronic Configurations of s-Block Elements, Occurrence of Alkali Metals, Occurrence of Alkaline-Earth Metals, Peculiar Behaviour of Lithium, Peculiar Behaviour of Beryllium

General Behaviour of Alkali Metals

Trends in Chemical Properties of Alkali Metals, Trends in Chemical Properties of Altaline-Earth Metals, General Trends in Properties of Compounds of Alkali and Alkaline-Earth Metals

Commercial Preparation of Sodium by Downs Cell

Commercial Preparation of Sodium Hydroxide by the Diaphragm cell

Role of Gypsum in Agriculture and Industry

Role of Gypsum in Agriculture, Role of Gypsum in Industries

Role of Lime in Agriculture and Industry

Role of Lime in Agriculture, Role of Lime in Industries

CHAPTER:3 GROUP IIIA AND GROUP IVA ELEMENTS

Group IIIA Elements: Occurrence (Boron and Aluminium), Peculiar Behaviour of Boron

Compounds of Boron: Borax (Sodium Tetraborate Na₂B₄O₇10H₂O), Boric Acids,

Reactions of aluminium: Reaction with Air, Reaction with Non-Metals, Reaction with Acids and Alkalies

Group IVA Elements: Occurrence of Carbon, Peculiar Behaviour of Carbon **Compounds of Carbon and Silicon**

Oxides of Silicon. Silicates and their Uses. Silicones

Semiconductors

Uses of Lead Compounds in Paints

Lead Suboxide, Pb₂O, Lead Monoxide (Litharge, Massicot) PbO, Triplumbic Tetra Oxide, (red lead, minium), Pb₃O₄, Lead Dioxide, PbO₂, white Lead, Lead Chromate (PbCrO₄)

CHAPTER:4 GROUP VA AND VIA ELEMENTS

Group VA Elements: Introduction, General Characteristics

Nitrogen And Its Compounds: Occurrence, Oxides of Nitrogen, Oxyacids of Nitrogen

Phosphorus and its Compounds: Occurrence, Allotropes of Phosphorus, Halides of Phosphorus, Oxides of Phosphorus, Oxyacids of Phosphorus

Group VIA Elements: Group VIA Elements, General Characteristics, Occurrence, Comparison of Exygen and Sulphur,

Sulphuric Acid (H₂SO₄): Manufacture of Sulphuric Acid, Properties, Uses of Sulphuric Acid

CHAPTER:5 THE HALOGENS AND THE NOBLE GASES

Introduction Occurrence

Peculiar Behoviour of Fluorine

Oxidizing Properties

Compounds of Halogens: Hydrides (hydrogen halides, HX), Oxides of Halogens, Reactions of Chlorine with Cold and Hot NaOH, Oxyacids, Bleaching Powder, (Ca(OCI)CI)

Commercial Uses of Halogens and Their Compounds

Noble Gases: Introduction, Compounds of Xenon, Fluorides of Xenon, Xenon Oxyfluorides, Oxides of Xenon, Applications of the Noble Gases

CHAPTER:6 TRANSITION ELEMENTS

Introduction: Typical and Non-Typical Transition Elements **Properties of Transition Elements:** General charactetistics

Complex Compounds: Components of Complex Compounds, Chelates,

Nomenclature, Geometry of Complexes

Iron: Commercial Forms of Iron, Wrought Iron, Manufacture of Wrought Iron from Cast Iron, Steel, Manufacture of Steel, Open Hearth Process, Bessemer's Process

Corrosion: Electrochemical Theory, Prevention from Corrosion, Tin Plating or Coating Iron with Tin (cathode coating), Galvanizing or Zinc Coating (anode coating)

Chromates and Dichromates: Potassium Chromate (K₂CrO₄), Properties, Potassium Dichromate (K₂Cr₂O₇), Properties

Potassium Permanganate (KMnO₄): Properties

CHAPTER:7 FUNDAMENTAL PRINCIPLES OF ORGANIC CHEMISTRY

Introduction: Modern Definition of Organic Chemistry

Some Features of Organic Compounds

Importance of Organic Chemistry

Sources of Organic Compounds: Coal, Natural Gas, Petroleum

Cracking of Petroleum

Reforming

Classifications of Organic Compounds

Functional Group

Hybridization of Orbitals and The Shapes of Molecules

Isomerism: Types of Isomerism

CHAPTER:8 ALIPHATIC HYDROCARBONS

Introduction

Nomenclature: Common or Trivial Names, IUPAC Names, Nomenclature of Alkenes, Nomenclature of Alkynes

Alkanes or Paraffins: General Methods of Preparations, Physical Properties, Reactivity of Alkanes, Reactions, Uses of Methane

Alkenes: General Methods of Preparation, Physical Properties, Reactivity of a π -bond, Reactions of Alkenes, Uses of Ethene

Alkynes: General Methods of Preparation, Physical Characteristics, Reactivity of Alkynes, Reactions, Uses of Ethyne, Comparison of Reactivities of Alkanes, Alkenes and Alkynes

CHAPTER:9 AROMATIC HYDROCARBONS

Introduction

Nomenclature

Benzene: Structure of Benzene, Straight Chain Structures Ruled Out:, Kekule's Structure, X-Ray Studies of Benzene Structure, Modern Concepts about the Structure of Benzene Atomic Orbital Treatment of Benzene, The Stability of Benzene, The Resonance Method

Preparation of Benzene

Reactions of Benzene: General Pattern of Reactivity of Benzene towards Electrophiles, Electrophilic Substitution Reactions, Reactions in which Benzene Ring is involved, Orientation in Electrophilic Substitution reactions

Comparison of Reactivities of Alkanes, Akenes and Benzene

CHAPTER: 10 ALKHYL HALIDES

Introduction

Nomenclature of Alkhyl Halides

Methods of Preparation of Alkyl Halides

Reactivity of Alkyl Halides

Reactions of Alky Halides: Nucleophilic Substitution Reactions, Mechanism of Nucelophilic Substitution Reactions, Elimination Reactions

Grignard Reagent

CHAPTER:11 ALCOHOLS, PHENOLS AND ETHERS

Introduction

Alcohols: Nomenclature of Alcohols, Industrial Preparation of Alcohols, Physical Properties, Reactions of Alcohols, Reactions in which C — O Bond is Broken, Reactions involving the Cleavage of O — H bond, Some other Reactions of Alcohols

Distinction Between Primary, Secondary and Tertiary Alcohols Uses of Alcohols

Phenol: Preparation of Phenol, Physical Properties, Reactions of Phenol, Acidic behaviour of Phenol, Reactions of Phenol due to-OH Group, Reactions of Phenol due to Benzene Ring

Ethers: Nomenclature, Preparation of Ethers, Physical Properties, Chemical Reactivity

CHAPTER:12 ALDEHYDES AND KETONES

Introduction

Nomenclature

Preparation of Aldehydes and Ketones

Reactivity of Carbonyl Group

Reactions of Carbonyl Compounds: Nucleophilic addition Reactions,

Reduction Reactions, Oxidation Reactions

Identification of Carbonyl Compounds

Uses

CHAPTER:13 CARBOXYLIC ACIDS

Introduction

Nomenclature of Carboxylic Acids: Common or Trivial names, The IUPAC Nomenclature

General Methods of Preparation

Physical Characteristics

Reactivity of Carboxyl Group

Reactions of Carboxylic Acids

Acetic Acid: Laboratory Methods, Manufacture of Acetic Acid, Physical Characteristics, Reactions of Acetic Acid, Uses of Acetic Acid

Amino Acids: Essential and Non-essential Amino Acids, Nomenclature of Amino Acids, Structure of Amino Acids, Acidic and Basic Characters of Amino Acids, Synthesis of Amino Acids, Reactions of Amino Acids, Test of Amino Acids, Peptides and Proteins

CHAPTER:14 MACROMOLECULES

Introduction

Structure of Polymers

Types of Polymers

Polymerization Process

Brief Description of Synthetic Polymers

Biopolymers

Carbohydrates, Classification of Carbohydrates, Proteins, Classification of Proteins, Structure of Proteins, Denaturation of Proteins, Importance of Proteins, Lipids, Sources of Fats and Oils, Structure and Composition of Fats and Oils, Classification, Physical Properties, Chemical Properties, Saponificaton Number, Rancidity of Fats or Oils, Iodine Number, Acid Number, Steroids, Importance of Lipids, Enzymes, Classification of Enzyme, Properties of Enzymes, Factors Affecting Enzyme Activity, Importance of Enzymes, Nucleic Acids, Components of Nucleic Acids

CHAPTER:15 COMMON CHEMICAL INDUSTRIES IN PAKISTAN

Introduction

Fertilizers: Early History, What are Fertilizers

Elements Essential for Plant Growth: Micro-nutrients (Trace elements). Macro-nutrients, Requirement of a Fertilizer, Essential Qualities of a Good Fertilizer

Classification of Fertilizers: Nitrogeneous Fertilizers, Phosphatic Fertilizers, Potassium Fertilizers, Fertilizer Industry in Pakistan

Cement: Early History, Definition, Raw Materials, Manufacturing Process of Cement, Wet Process, Setting of Cement, Cement industry in Pakistan Paper Industry: Early History, Definition, Brief Description of the Process,

Pulping Processes, Neutral Sulphite Semi Chemical Process

CHAPTER:16 ENVIRONMENTAL CHEMISTRY

Introduction: Components of the Environment

Types of Pollution: Air Pollution, The Effects of Polluted Air on Environment, Water Pollution

Factors Affecting the Quality of Water: Purification of Water

Solid Waste Management: Effects of Dumping Waste in Sea and Rivers, Landfill, Incineration of the Muncipal Solid Waste, Treatment of Industrial Waste, Incineration of Indestrial and Hazardous Waste, Recycling of Waste

CONTENTS OF PRACTICAL FOR CLASS XII (PART-II)

- 1. Preparation of copper ammine complex.
- 2. Prepare a pure sample of glucosazone.
- 3. Preparation of a pure sample of iodoform.
- 4. Preparation of aspirin.
- Estimation of barium in the given sample solution gravimetrically. 5.
- Find out the elements present in given organic compound. 6.
- Write the tests for identification of following functional groups in the giving organic 7. compound. (i) Carboxylic acid (ii) Aldehyde (iii) Phenol
- Preparation of some important solutions used as reagents 8.
- 9. Acid radical's classification
- 10. Salt analysis (Groups and radical identification)
- Scheme for dilute sulphuric acid group 11.
- 12. Scheme for conc. sulphuric acid group
- 13. Scheme for special group
- **14.** Detection of the radicals of dilute acid group
- 15. Detection of the radicals of concentrated acid group
- Detection of the radicals of special group 16.
- 17. List of basic radicals
- 18. Analysis for basic radicals
- **19.** Dry tests for the basic radical
- 20. Scheme for detection of the radicals of Group-I
- 21. Scheme for detection of the radicals of Group-II
- 22. Scheme for detection of the radicals of Group-III
- 23. Scheme for detection of the radicals of Group-IV
- **24.** Scheme for detection of the radicals of Group-V
- 25. Scheme for detection of the radicals of Group-VI
- **26.** Detection of the radicals of Group-I
- 27. Detection of the radicals of Group-II
- 28. Detection of the radicals of Group-III
- 29. Detection of the radicals of Group-IV
- **30.** Detection of the radicals of Group-V
- 31. Detection of the radicals of Group-VI

Theory Periods CHEMISTRY XII

Chapter	Content	Periods	Weightage
1	Periodic classification of elements	12	6%
2	s-Block elements	8	4%
3	Group III and IV elements	8	4%
4	Group V and VI elements	10	5%
5	The halogens and noble gases	10	5%
6	The transition elements	12	6%
7	Fundamental principles of organic chemistry	10	5%
8.	Aliphatic hydrocarbons	10	5%
9	Aromatic hydrocarbons	8	4%
10	Alkyl halides	8	4%
11	Alcohol, phenols and ethers	10	5%
12	Aldehydcs and ketones	8	4 %
13	Carboxylic Acids and their derivatives	6	3%
14	Macromolecules	8	4%
15	Common chemical industries	8	4%
16	16 Environmental chemistry		7%
	Total	150	75%

Recommended Book: Chemistry Part-II **Authors:**

1.	Dr. Jameel Anwar	2.	Dr. Imtiaz Ahmad	3.	Dr. Shaukat Ali
4.	Syed Ghulam Akbar	5.	Dr. M. Akram Kashmiri	6.	Ch. Karam Elahi

7. Nasreen Batool Qaiser
 8. Tariq Ahmad Niazi
 9. Nazeer Ahmad Chughtai
 10. Zafar Mehdi Zafar
 11. Saad Ali Khan
 12. Javed Iqbal Lodhi
 13. Naseem Asghar Ginai
 14. Muhammad Shoaib Jehangir
 15. Iftikhar Ahmad

Publisher: Nazriya-e-Pakistan Trust, Lahore. (for Punjab TextBook Board, Lahore.)



BIOLOGY

Distribution of Marks:

Part-I (Class-XI)
Theory Marks: 85
Theory Marks: 85
Practical: 30

Total : 200

CHAPTER:1	BIODIVERSITY & CLASSIFICATION
1.1	Three-Domain System of Classification
1.2	Taxonomic Hierarchy
1.3	Salient Features of Kingdoms of Domain Eukarya
1.4	Classification of Kingdom Animalia
1.5	Classification of Vertebrates
1.6	Classification of Viruses
1.7	Biodiversity
1.8	Species and Speciation
CHAPTER:2	•
2.1	Structure of Bacteria
2.2	Endospore Formation in Bacteria
2.3	Motility in Bacteria
2.4	Flagella
2.5	Bacteria; Ecology And Diversity
2.6	Importance of Bacteria
2.7	Normal Flora
2.8	Virus
CHAPTER:3	CELLS AND SUBCELLULAR ORGANELLES
3.1	Cells – The Basic Unit Of Life
3.2	Cell Theory
3.3	Microscopy
3.4	Structure of Cell
3.5	Prokaryotic And Eukaryotic Cells
3.6	Cell Signalling
3.7	Membrane Transport Mechanisms
3.8	Stem Cells
CHAPTER:4	BIOMOLECULES
4.1	Biological Molecules
4.2	Types of Bonds In Biology
4.3	Condensation (Synthesis) And Hydrolysis
4.4	Importance of Water
4.5	Carbohydrates
4.6	Proteins
4.7	Lipids
4.8	Nucleic Acids
4.9	Conjugated Molecules
CHAPTER:5	ENZYMES
5.1	Enzymes
5.2	Cofactors And Coenzymes
5.3	Mechanism Of Enzyme Action
5.4	Factors Affecting The Rate Of Enzyme Action
5.5	Enzyme Inhibition
5.6	Classification of Enzymes
CHAPTER:6	BIOENBERGETICS
6.1	Photosynthesis
6.2	Cellular Respiration
6.3	Photorespiration
-	· · · · · · · · · · · · · · · · · · ·

CHAPTER:7 STRUCTURAL AND COMPUTATIONAL BIOLOGY

Applications of Structural Biology 7.1 X-Ray Crystallography 7.2 Computational Biology 7.3 Sequence Homology 7.4 **CHAPTER:8** PLANT PHYSIOLOGY 8.1 **Nutrition In Plants** 8.2 Gas Exchange In Plants Support In Plants 8.3 8.4 Water Potential 8.5 Transport Of Water In Plants Translocation of Food In Plants 8.6 8.7 Growth in Plants Osmoregulationin Plants 8.8 8.9 Thermoregulation In Plants Movements In Plants 8.10 8.11 Photoperiodism Vernalisation 8.12 **CHAPTER:9 HUMAN DIGESTIVE SYSTEM** 9.1 Anatomy and Physiology of Digestive System **CHAPTER: 10 HUMAN RESPIRATORY SYSTEM** 10.1 Respiratory System of Man 10.2 Transport Of Gases 10.3 Respiratory Pigments Respiratory Disorders 10.4 **CHAPTER: 11 HUMAN CIRCULATORY SYSTEM** Structure And Functioning Of Heart 11.1 11.2 **Blood Vessels** 11.3 **Blood Pressure** 11.4 Cardiovascular Disorders Lymphatic System Of Human 11.5 **CHAPTER:12 HUMAN SKELETAL & MUSCULAR SYSTEMS** Bones And Cartilage 12.1 Disorders of Skeletal System 12.2 Muscles 12.3 1. Muhammad Nadeem 2. Prof. Dr. Farkhanda Manzoor Authors: Asghar Prof.Dr. Atif yaqub 3. 4. Dr. Muhammad Imran Sohail Dt. Robeela Shabir Zunnorain Ahmed 5. 6. Editor: Prof. Dr. Abdul Rauf Shakoori Dt. Robeela Shabir

PUNJAB EDUCATION, CURRICULUM, TRAINING AND ASSESSMENT AUTHORITY

Zunnorain Ahmed

Marks: 85 PART –II(CLASS-XII) Time:

CHAPTER: 15 HOMEOSTASIS

Concepts in Homeostasis

Osmoregulation

Water relations of cell, Balance of water and solutes in the body, Osmoregulation in Plants, Osmoregulation in Animals, Osmoregulation in Different Environments, Excretion, Excretion in Plants, Excretion in Animals, Nature of Excretory Products in Relation to Habitats

Excretion in Representative Animals: Excretion in Hydra, Excretion in Planaria, Excretion in Earthworm, Excretion in Cockroach

Excretion in Vertebrates: Excretion in Human, Eretory Organs, Urinary System, Concentration of Excretory Products, Kidney as Osmoregulatory Organ, Kidney Problems and Cures

Thermoregulation: Adaptations in Plants to Low and High Temperature **Mechanisms in Animals**

Body Heat, Heat Gain and Loss, Temperature Classification of Animals, Regulation of Heat Exchange between Animals and Environment

Thermoregulation in Mammals (Human)

Regulatory Strategies, Thermostat Function and Feedback Controls in Human, Temperature in fever (Pyrexia)

CHAPTER: 16 SUPPORT AND MOVEMENTS

Concept and Need

Support in Plants: Significance of Secondary Growth

Movements in Plants: Types of Movements, Role of Plants Growth Substances in Plant Movement

Support and Movements in Animals: Hydrostatic Skeleton, Exoskeleton, Endoskeleton

Human Skeleton: Axial Skeleton, Appendicular Skeleton, Joints

Deformities of Skeleton: Genetic Causes, Hormonal Causes, Nutritional Causes **Repair of Broken Bones**

Muscles: Smooth Muscles, Cardiac Muscles, Skeletal Muscles, Sliding Filament Model, Controlling the Actin-Myosin Interaction by Ca ++ ions, Energy for Muscles Contraction, Muscles Fatigue, Tetany, Cramp

Arrangement of Skeletal Muscles for Movement of Skeleton

Movement of Bones,

Locomotion in Protoctista and Invertebrates

Locomotion in Euglena, Locomotion in Paramecium, Locomotion in Amoeba, Locomotion in Jelly Fish, Locomotion in Earthworm, Locomotion in Cockroach, Locomotion in Snail, Locomotion in Star Fish

Locomotion and Skeleton in Vertebrates: Swimming in Fishes, Locomotion in Amphibian, Locomotion in Reptiles, Locomotion in Air, Locomotion in Mammals, Evolutionary changes in the arrangement of bones and related mode of locomotion in major groups of vertebrates

CHAPTER:17 COORDINATION AND CONTROL: Introduction

Coordination in Plants: Control Through Hormones,

Plant Movements

Responses to Environmental Stresses in Plants

Defense against Pathogens in Plants

Biological Clocks and Circadian Rhythms

Plant Hormones: Auxins, Gibberellins, Cytokinins, Abscisic Acid, Ethene

Co-ordination in Animals

Nervous Co-ordination: Receptors, Working of Sensory Receptors with Special Reference to Skin, Neurons, Effectors, Reflex Arc, Nerve Impulse, Synapse, Evolution of Nervous System

Human Nervous System: Central Nervous System (CNS), Peripheral Nervous System (PNS), Autonomic Nervous System, Nervous Disorders, Effect of Drugs on Coordination

Chemical Coordination: Hormones

Endocrine Glands of Mammals: Hypothalamus, The Pituitary Gland, Thyroid gland, Parathyroids, Islets of Langerhans (Pancreas), Adrenals, Gut, Gonads, Feedback Mechanism, Comparison of Nervous Coordination and Chemical Coordination

Behaviour: Innate Behaviour, Instincts & Learning, Learning Behaviour (Modification through experience)

CHAPTER:18 REPRODUCTION: Introduction

Reproduction in Plants: Parthenocarpy, Seed Dormancy, Fruit set and Fruit ripening, Photoperiodism, Vernalisation

Reproduction in Animals: Asexual Reproduction

Tissue Culturing and Cloning

Identical Twins

Sexual Reproduction

Reproduction in Man: Male Reproductive System, Female Reproductive System

Test Tube Babies

Sexually Transmitted Diseases (STD): Gonorrhea, Syphilis, Genital Herpes, AIDS

CHAPTER:19 GROWTH AND DEVELOPMENT: Intorduction

Growth and Development in Plants

Apical Meristems, Intercalary Meristems, Lateral Meristems

Types of Growth: Conditions of Growth, External factors, Internal Factors, Differentiation, Growth Correlations

Growth and Development in Animals: Development of Chick, Mechanisms of Development, Role of Cytoplasm in Development, Role of Nucleus in Development, Concept of Differentiation, Embryonic Induction

Aging

Regeneration

Abnormal Development

CHAPTER: 20 CHROMOSOMES AND DNA: Introduction

Types of Chromosomes

Composition of Chromosome

The Chromosomal Theory of Inheritance

DNA as Hereditary Material: Chemical Nature of DNA, DNA Replication, The Meselson-Stahl Experiment, The Replication Process

What is a Gene: One-gene / one - polypeptide, How DNA encodes protein structure

Cells Use RNA to Make Protein: Three types of RNA, Transcription

Genetic Code

Translation

Mutations

CHAPTER:21 CELL CYCLE: Introduction

Interphase

Mitosis: Karyokinesis, Prophase, Metaphase, Anaphase, Telophase, Cytokinesis, Importance of mitosis, Cancer (uncontrolled cell division)

Meiosis: Prophasel, Metaphasel, Anaphasel, Telophasel, Meiosisll, Importance of Meiosis

Meiotic Errors (Non-disjunction): Down's Syndrome (Mongolism), Klinefelter's Syndrome, Turner's Syndrome, Necrosis and Apoptosis

CHAPTER:22 VARIATION AND GENETICS

Genes, Alleles and Gene Pool

Mendel's Laws of Inheritance: Mendel's Interpretations, Test Cross, Dihybrid and Dihybrid Cross

Dominance Relations: Complete Dominance, Incomplete Dominance, Codominance, MN Blood Type or Blood Group System, Over Dominance

Multiple Alleles: ABO-The First Discovered Multiple Allelic Blood Group System in Man, Rh Blood Group System

Epistasis: Bombay Phenotype

Pleiotropy

Continuously Varying Traits

Gene Linkage

Crossing Over: Cross Over or Recombination Frequency **Sex Determination:** Sex Chromosomes, Patterns of Sex Determination, Comparison of chromosomal determination of sex between Drosophila and Humans, Sex Determination in Plants

Sex Linkage: Sex Linkage in Drosophila, Sex-linkage in Humans, Sex Limited Trait, Sex Influenced Trait

Diabetes Mellitus and its Genetic Basis

CHAPTER:23 BIOTECHNOLOGY: Intorduction

Cloning of a Gene: Recombinant DNA Technology, how to get a gene? Molecular Scissors: Restriction Endonucleases, Molecular Carrier: Vector, Recombinant DNA, Expression of the Recombinant DNA, Genomic Library, The Polymerase Chain Reaction, Analyzing DNA, Gene Sequencing

The Human Genome Project

BiotechnologyProducts: Transgenic Bacteria, Transgenic Plants, Transgenic Animals, Cloning of Transgenic Animals

Gene Therapy

Tissue Culture: Genetic Engineering of Plants, Agricultural Plants with improved Traits. Production of Products

CHAPTER:24 EVOLUTION

Introduction, Concept of Evolution Vs Special Creation

Evolution from Prokaryotes to Eukaryotes

Inheritance of acquired Characteristics: Charles Darwin, Neo-Darwinism-The modern evolutionary synthesis, Evidences of Evolution

Natural Selection and artificial Selection

Population, Gene Pool, allele and Genotype Frequencies

Hardy-Weinberg Theorem, Factors affecting gene frequency

Endangered Species

CHAPTER:25 ECOSYSTEM: Introduction

Ecosystem, Biosphere Autecology, Synecology

Components of Ecosystem: Biotic Components, Abiotic Components, Processes in Ecosystem and interaction between Biotic and Abiotic Components Succession: Two Major Forms of Succession, Predation and its Significance, Parasitism and its Significance, Symbiosis, Mutualism, Commensalism, Grazing Biogeochemical Cycles: The Nitrogen Cycle, Nitrogen Depletion and its Remedies, The flow of Energy in Food Chain of an Ecosystem

CHAPTER: 26 SOME MAJOR ECOSYSTEMS

Climate

Aquatic or Hydrospheric Ecosystem: Productivity of Aquatic Ecosystem, Fresh Water Lakes, Intervention of Man in Aquatic Ecosystem

Terrestrial or Lithospheric Ecosystem: Light, Nutrients and Water, Adaptations for Terrestrial Ecosystem, Division of Terrestrial Ecosystem

Some Major Ecosystems in Pakistan: Temperate Deciduous Forests, Coniferous Alpine and Boreal Forests, The Grass Land Ecosystem, Desert Ecosystem, Tundra Ecosystem, Humans and Ecosystems

CHAPTER: 27 MAN AND HIS ENVIRONMENT

Renewable and Non-renewable Resources: Renewable Resources **Degradation and Depletion of Resources:** Modification of Environment Man's Impact on Environment: Population, Food and need of Population Control, Importance of Forests, Forest and Climate, Forest and Biodiversity Pollution: Types of Pollution, Air or Atmospheric Pollution, Greenhouse Effect, Acid Rain, Water Pollution, Eutrophication or Algal Bloom, Industrial Effluents, Insecticides & Herbicides and Fertilizers

Health and Diseases: Classification and Causes of Diseases

WEIGHTAGE OF VARIOUS THEMES/SECTION OF SYLLABUS FOR CLASS XII

No. of practicals

(vi)	Functional Biology	(Chapter15-19)	48%
(vii)	Continuity of life	(Chapter 20-22)	20%
(viii)	Genetic Frontiers	(Chapter 23)	4%
(ix)	Life through ages	(Chapter 24)	8%
(x)	Organisms and their Environment	(Chapter 25-27)	20%
	-	Total:	100

LIST OF PRACTICALS FOR CIASS XII (PART-II)

- 1. Investigation of Adaptive Features of Hydrophytes, Halophytes, Exrophytes and Mesophytes from Fresh Material and Prepared Slides.
- 2. Exposure of Urinogenital System of Frog.
- 3. Study of Simple Muscle Twitch Using Frog's Muscle.
- Study of Prepared Slides of Skeletal, Smooth & Cardiac Muscles & Preparation of Slide of Striated Muscle.
- 5. Expose of Nervous System of Cockroach.
- 6. Investigations of Effect of Indole Acetic Acid (IAA) on Growth of Oat Coleoptile or Germinated Barley Seeds.
- 7. Study of Ductless Glands (Pancreas, Thyroid) Using Microscopic Sections.
- 8. Study of Skeleton of Frog.
- 9. Study of Skeleton of Hen's Egg.
- 10. Study of Development of Chick Embryo 48/72 Hours after Incubation.
- 11. Study from Prepared Slides of Plant Supporting Tissues such as Sclerenchyma & Collenchyma.
- 12. Investigation of Plant Movement.
- 13. Preparation of Root Tips Squashes to Study Stages of Mitosis.
- 14. Preparation of Squashes of Rheodiscolor Floral Buds to Study Meiosis & Observation of Stages of Meiosis from Prepared Slides & Study of Polytene Chromosomes.
- 15. Continuous Variations.
- 16. Investigation of Water Content of Soil.
- 17. Investigation of Approximate Soil Texture (Rough Estimate) of Proportion of Particles of Different Sizes in a Soil.
- 18. Investigation of Food Chain and Food Web of a Pond Ecosystem.
- 19. Sampling of Grassland Community by Quadrate Method.
- 20. Estimation of Pyramids of Number Using Simple Techniques.

BIOLOGY TOPIC WISE WEIGHTAGE

Chapter No.	Topic	Weightage (%age)	No. of period.
15	Homeostasis Osmoregulation excretion	10%	15
16	Support and Movements	10%	15
17	Coordination and Control	10%	15
18	Reproduction	12%	18
19	Growth and Development	6%	9
20	Chromosomes and DNA	8%	12
21	Cell Cycle	4%	6
22	Variations and Genetics.	8%	12
23	Biotechnology	4%	6
24	Evolution	8%	12
25	Ecosystem	8%	12
26	Some major ecosystems	4%	6
27	Man and-his environment	8%	12
	TOTAL		150

Recommended Book: Biology Part-I & II

Authors: 1. Prof. Dr. A.R. Shakoori

- 2. Prof. Dr. Abdul Majeed Cheema
- 3. Asso.Prof. Hamid Saeed
- 4. Assoc.Prof. Dr. Rass Masood Khan
- **5.** Assoc.Prof. Nauman Usmani **6.**
 - 6. Assoc.Prof. A.R. Saeed
- 7. Dr. Javed Iqbal Qazi
- 8. Assoc.Prof. Javed Akhtar Wahla
- **9.** Asst.Prof.Dr. Farkhanda
- 10. Sub. Specialist Mrs. Syeda Saira Hameed

Publisher:

Maktaba Sayeedia Lahore



MATHEMATICS

 PART - I
 100

 PART - II
 100

 TOTAL:
 200

Marks: 100 PART –I (CLASS-XI) Time	e: 3:00 Hours
------------------------------------	---------------

UNIT-1	Complex Numbers
1.1	Complex Numbers
1.2	Equality of Two Complex Numbers
1.3	Complex Polynomials as a Product of Linear Factors
1.4	Three Cube Roots of Unity /Polar Coordinates System
1.5	Complex Numbers in the Real World
UNIT-2	Functions and Graphs
2.1	Concept of Function
2.2	Finding the Intersecing Point(s) Graphically
2.3	Graph of the Square Root Function
2.4	Graph of the Cube Root Function
2.5	Real Life Applications
UNIT-3	Theory of Quadratic Functions
3.1	Quadratic Function
3.2	Inverse of Quadratic Function
3.3	Absolute Value
3.4	Solutions of Equations Reducible to the Quadratic Equation
3.5	Real World Problems of Quadratic Equations and Inequalities
UNIT-4	Matrices and Determinants
4.1	Matrix
4.2	Matrix Operations
4.3	Properties of Matrix Addition, Scalar Multiplication and Matrix Multiplication
4.4	Determinants
4.5	Adjoint and Inverse of a Square Matrix
4.6	Elementary Row Operations on a Matrix
4.7	Echelon and Reduced Echelon Forms of Matrices
4.8	System of Non-Homogeneous Linear Equations
4.9	System of Homogeneous Linear Equations
4.10	Apllications of Matrices in Real World
UNIT-5	Partial Fractions
5.1	Rational Fraction
UNIT-6	Sequences and Series
6.1	Sequence
6.2	Arithmetic Progression or Arithmetic Sequence (A.P)
6.3	Arithmetic Mean (A.M)
6.4	Series
6.5	Geometric Progression (G.P)
6.6	Geometric Mean (G.M.)
6.7	Geometric Series
6.8	Arithmetico-Geometric Progression (A.G.P.)
6.9	Harmonic Progression (H.P)
6.10	Miscellaneous Series
6.11	Real Life Problems involving Sequences and Series
UNIT-7	Permutations and Combinations
7.1	Fundamental Principle of Counting
7.2	Permutations Permutation of Objects Not All Different
7.3	Permutation of Objects Not All Different
7.4	Combinations Mathematical Industions and Binamial Theorem
UNIT-8	Mathematical Inductions and Binomial Theorem
8.1 8.2	Principle of Mathematical Induction
0.2	Binomial Theorem

8.3 8.4 8.5 UNIT-9 9.1	The Binomial Theorem (when the Index n is a Negative Integer or a Fraction) Binomial Coefficients Using Pascal's Triangle Applications of Binomial Theorem Division of Polynomials Polynomial Function				
9.2	•	Applications of Reminder a	nd Fac	tor Theorems	
UNIT-10	Trigonom	etric Identities			
10.1	Distance I	Formula:(Recall)			
10.2	•	etric Ratios of Allied Angles			
10.3		oplications of Basic Identitie	es		
10.4		ngle Identities			
10.5		dentities			
10.6		le Identities	. ,	0 5:"	
10.7	•	ne Product (of sines and co	sines)	as Sums or Differences (of sines and	
LINUT 44	cosines)	atala Pamatiana and thair	0	_	
UNIT-11	_	netric Functions and their	-		
11.1		and Ranges of Sine and Co Odd Functions	sine F	unctions	
11.2 11.3					
11.3		Trigonometric Functions Trigonometric Functions			
11.5		and Minimum Values of Gi	van Fu	inctions of the Type	
		Continuity	veii i u	inclions of the Type	
12.1	Limit of a	_			
12.2		mportant Functions			
12.3		and Discontinuity of Funct	ions		
12.4	Application of Transcendental Functions to Limits and Continuity on Real World Problems				
UNIT-13		ation			
13.1		o a Curve at a Point			
13.2	Derivative	as the Limit of a Difference	Quoti	ent	
13.3	Process o	f Finding Derivative f'(x) by	the De	efinition	
13.4	Derivation	on of x^n Where $n \in Z$			
13.5	Connection	n Between Derivatives and	Contir	nuity	
13.6	Theorems	on Differentiation		•	
13.7	Applicatio	n of Differentiation			
UNIT-14	Vectors i	n Space			
14.1	Vectors (F				
14.2		alar Product			
14.3		duct or Vector Product			
14.4	Scalar Tri	ple Product			
Authors	: 1.	Prof. Shamshad Muhammad Lodhi(late)	2.	Prof. Muhammad Amin Chaudhary	
3.		Prof. Sanaullah Bhatti(late)	4.	Prof. Muhammad Sharif Ghori(late)	
	5.	Prof.Khalid Saleem			
(Authors	s) Aligned	with Revised/ Updated N	CP-202	23 by:	
•	1.	Dr.Malik Anjum	2.	Dr. Muhammad Idrees, UOE	
		Javed,HED, Lahore			
	3.	Muhammad Akhtar	4.	Ghulam Murtaza, SSS PECTAA	
		Shirani,SSS PECTAA			
	5.	Ms. Madiha Mehmood,	6.	Dr. Shahid Mubeen, BGNU	
		SSS PECTAA			
Publishe	•	Lucky Book Centre, Lahor			
Printed		Qudrat Ullah Printers, Lah		AND ASSESSMENT AUTHORITY	

Marks : 100	PART – II (CLASS-XII)	Time: 3 Hours
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UNIT-1 FUNCTIONS AND LIMITS

Introduction

Concept of Function, Definition (Function – Domain – Range), Notation and Value of a Function, Graphs of Algebraic Functions, Graph of Functions Defined Piece–wise.

Types of Functions

Algebraic Functions, Trigonometric Function, Inverse Trigonometric Functions, Exponential Function, Logarithimic Function, Hyperbolic Functions, Inverse Hyperbolic Functions, Explicit Function, Implicit Function, Even Function, Odd Function

Composition of Functions and Iverse of a Function

Composition of Functions, Inverse of a Function, Algebraic Method to find the Inverse Function

Limit of a Function and Theorems on Limits

Meaning of the Phrase "x approaches zero", Meaning of the Phrase "x approaches infinity", Meaning of the Phrase "x approaches a", Concept of Limit of a Function, Limit of a Function, Theorems on Limits of Function

Limits of Imprtant Functions

$$\lim_{x \to a} \frac{x^n - a^n}{x - a} = na^{n-1} \text{ where n is an integer and } a > 0, \\ \lim_{x \to 0} \frac{\sqrt{x + a} - \sqrt{a}}{x} = \frac{1}{2\sqrt{a}} \text{ Limit at Infinity,} \\ \text{Method for Evaluating the Limits at Infinity,} \\ \lim_{x \to +\infty} \left[1 + \frac{1}{n} \right] = e, \\ \lim_{x \to 0} \frac{a^x - 1}{x} = \log_e a \text{ The Sandwitch Theorem, If } \theta \text{ is measured in radian, then } \lim_{0 \to 0} \frac{\sin \theta}{\theta} = 1.$$

Continuous and Discontinuous Functions

One-Sided Limits, Criterion for Existence of Limit of a Function, Continuity of a function at a number

Graphs

Graph of the Exponential Function $f(x) = a^x$, Graph of the Exponential Functon $f(x) = e^x$, Graph of Common. Logarithmic Function f(x) = lgx, Graphs of Natural Logarithmic Function f(x) = lnx, Graphs of Implicit Functions, Graph of Parametric Equations, Graphs of Discontinuous Functions, Graphical Solution of the Equation

UNIT-2 DIFFERENTIATION: Introduction

Average Rate of Change, Derivative of a Function

Finding f'(x) from definition of derivative

Derivation of x^n where $n \in Z$, Differentiation of Expressions of the Types

Theorems on Diffrentiation

The chain rule

Derivatives of inverse functions

Derivative of a Function given in the form of parametric equatins

Differentiation of Implicit Relations

Derivatives of Trigonometric Functions

Derivatives of inverse Trigonometric functions

Derivative of exponential functions

Derivative of the logarithmic function

Logarithmic differentiation

Derivative of Hyperbolic functions

Derivatives of the inverse hyperbolic functions

Successive Differntiation (or Higher derivatives)

Series expansions of functions

Tailor series expansions of functions

Geometrical interpretation of a derivative

Increasing and decreasing functions

Relative extrema

Critical values and critical points

UNIT-3 INTEGRATION: Introduction

Differentials of Variables, Distinguishing between dy and δ ,

Finding $\frac{dy}{dx}$ by using differentials, Simple application of differentials

Integration as anti-derivative (Inverse of derivative)

Some Standard Formulae for Anti-Derivatives, Theorems on

Anti-Derivatives, Anti-Derivatives of $[f(x)]^n f'(x)$ and $[f(x)]^{-1} f'(x)$.

Integration by method of substitution

Some useful substitutions

Integration by parts

Integration involving partial fractions

The definite integrals

The area Under the curve, Fundamental theorem and properties of Definite Integrals

Application of definite integrals

Differential equations

Solution of a differential equation of first order, Intial conditions

UNIT-4 INTRODUCTION TO ANALYTIC GEOMETRY: Introduction

The Distance Formula, Point dividing the join of two points in a given ratio

Translation and rotation of axes

Equations of straight lines

Slope or gradient of a straight line joining two points, Equation of a straight line parallel to the x-axis (or perpendicular to the y-axis), Equation of a straight line parallel to the y-axis (or perpendicular to the x-axis), Derivation of standard forms of equations of straight lines, A linear equation in two variables represents a straight line, To transform the general linear equation to standard forms, Position of a point with respect to a line

Two and three straight lines

The Point of intersection of two Straight Lines, Condition of concurrency of three Straight Lines, Equation of Lines through the Point of Intersection of Two Lines, Distance of a Point from a Line, Distance between two Parallel Lines, Area of a Triangular region whose vertices are given

Angle between two lines

Equation of a straight line in Matrix form

Homogeneous equation of the second degree in two variables

Homogeneous Equation, To find measure of the Angle between the Lines represented by $ax^2 + 2hxy + by^2 = 0$

UNIT-5 LINEAR INEQUALITIES AND LINEAR PROGRAMMING: Introduction

Linear Inequalities

Graphing of a linear inequality in two variables

Region bounded by 2 or 3 simultaneous Inequalities

Problem Constraints

Feasible solution set

Linear Programming

Linear Programming Problems

UNIT-6 CONIC SECTION: Introduction

Equation of a Circle, General form of an Equation of a Circle, Equations of Circles determined by given conditions

Tangents and Normals

Length of the Tangent to a Circle (Tangential Distance)

Analytic proofs of important Properties of a Circle

Parabola

General form of an Equation of a Parabola, Other standard Parabolas, Graph of the Parabola

Ellipse and its Elements

Standard form of an Ellipse, Graph of an Ellipse

Hyperbola and its Elements

Standard equation of Hyperbola, Graph of the Hyperbola

Tangents and normals

Translation and Rotation of Axes

The General Equation of Second Degree

Calssification of conics by the discriminant

UNIT-7 VECTORS: Introduction

Geometric interpretation of Vector, Multiplication of Vector by a Scalar, Addition and Subtraction of two Vectors, Position Vector, Vectors in a plane, Properties of magnitude of a Vector, Another notation for representing vector in plane. A unit Vector in the direction of another given Vector, The ratio formula, Vector Geometry

Introduction of Vector in Space

Concept of a vector in space, properties of Vectors, Another notation for representing Vectors in space, Distance between two points in space, Direction Angles and Direction Cosines of a Vector

The Scalar product of two Vectors

Deductions of the important results, Perpendicular (Orthogonal) Vectors, Properties of dot product, Anaytical expression of dot product $\underline{\mathbf{u}}$. $\underline{\mathbf{v}}$, Angle between two Vectors, Projection of one Vector upon another Vector

The cross product or vector product of two vectors

Derivation of useful results of cross products, Properties of cross product, Analytical Expression of $\underline{u} \times \underline{v}$, Parallel Vectors, Area of Parallelogram, Area of Triangle

Scalar Triple product of Vectors

Analytical expression of $\underline{u}.(\underline{v} \times \underline{w})$, The volume of the Parallelepiped, The volume of the Tetrahedron, Application of Vectors in Physics and engineering.

TOPIC-WISE WEIGHTAGE & TIME (XII)

UNIT		WEIGHT AGE	PERIODS (45 minutes each)	
I	Functions & limits		6%	11
II	Differentiation	Polynomial & Algebraic		07
	of Functions	Trigonometry and Inverse	15%	07
		Trigonometric	1576	
		Logarithmic & Exponential		07
	Successive differentiatio	n and theorems and Maximum/Minimum	5%	07
III	Integration	Standard		
	(Indefinite)	forms		07
	Integrals)	By partial		07
		fractions	29%	05
		By Substitution	2970	07
	Definite Integrals	By parts		07
		Area under the curve		07
		Differential Equations		
IV	Introduction to Analytic C	Geometry	8%	13
V	Linear in-Equalities		7%	07
	Linear Programming		7 70	05
VI	Conic Sections	Circle		12
		Parabola		04
		Ellipse	17%	04
		Hyperbola		04
		General Equation		04
VII	Vectors	Introduction to vector &		07
		Scalar Product	13%	
		Vector product	1070	07
		Scalar triple Product		04
			100%	150 (6 periods
			10070	a week)

Recommended Book: "MATHEMATICS Part-II"

Author: 1. Prof. Muhammad Amin Chaudhary 2. Prof. Muhammad Sharif Ghaury

3. Prof. Muhammad Khalid Saleem 4. Mr. Mazhar Hayat

Published by : Ch. Ghulam Rasul & Sons, Lahore. (for: Punjab Textbook Board, Lahore)



COMMERCE GROUP PART – I	
Principles of Accounting Paper – I	100
Principles of Economics	75
Principles of Commerce	75
Business Mathematics	50
PART – II	•
Principles of Accounting Paper – II	100
Commercial Geography	75
Computer Studies / Banking	75
Statistics	50

PRINCIPLES OF ACCOUNTING

Marks: 100 PART –I(CLASS-XI) Time: 3:00 Hours

- **1. Introduction.**—Definition, Basic concepts, Double Entry System of Book Keeping, its objectives and advantages.
- **2. Accounting Cycle**.—-Accounting equation Journal, Ledger and Trial balance.
- **3. Subsidiary Books Journals.**—Cash Book, Petty Cash Book. Purchases, Sales: purchases-Returns: Sales Returns; Bills-Receivable and Bill payable books.
- **4. Banking Transactions**.—Kind of bank accounts and procedure of recording of banking transactions: cheques; Cheque Register; Bank Reconciliation Statement, its objectives and preparation.
- **5. Accounting for Bills of Exchange**.—Definition and procedure.
- **6. Capital and Revenue**.—Meaning—Distinction between Capital and Revenue items: Receipts and Payments, Profits and Losses, Income and Expenses.
- **7. Rectification of Errors**. Kinds of errors correction of errors after and before closing the books of accounts, suspense account.
- **8. Financial Statement**. Trading and profit and loss Account Income Statement and Balance Sheet-form and its preparation.
- **9.** Adjustments and Closing Process. Prepaid and Outstanding expenses Accrued and unearned income; provision for Bad and Doubtful Debt; Provisions for Discount; Depreciation interest on capital and drawing, work Sheet.

Marks: 100 PART –II(CLASS-XII) Time: 3:00 Hours

- **1. Accounting for Non Profit easning concerns**. Income and Expenditure and Payments Account; Receipts and payments Accounts and Balance Sheet.
- 2. Accounting for Incomplete Records.- Calculation of profit and loss statement of Affairs conversion of Single Entry into Double Entry account.
- 3. Depreciation Nature, methods straight line and diminishing balance.
- **4.** Accounting for surplus, Reserves and Funds. Nature-types and creation.
- **5. Accounting for Consignments**. Fully and partly sold goods excluding invoice price method, Account Sale Statement.
- Accounting for Partnership. Definition partnership, agreement, division of profit and loss-valuation and treatment of goodwill admission, retirement and death of partner – Dissolution.
- 7. Accounting for Joint Stock Companies. Formation-Kinds of companies company documents-types of shares-issue of shares at per, at premium at discount oversubscription, for feature and re-issue of share, Issue of debentures Bond at per, at premium and at discount-redemption of debeatures.

List of equipment, Lab-regirements.

Book keeping machines, Overhead Projectors, Slide Projector, Scientific electric calculators, Amount perforator on Cheque, Bank Draft, Business film through T.V.

Available Books.

Principles of Accounting by M.A. Ghani.
Pinciples of Accounting by Aftab A. Khan.
Book keeping and Accounting by S.A. Siddiqui.
Principles of Accounting by Gul Zaman Qazi.
Asool-e-Mahasbi by Mobeen A. Khan.
Intermediate Accounting by Rauf Baig.
Introduction to Accounting by Nisaruddin.



PRINCIPLES OF ECONOMICS

Marks: 75	PART –I(CLASS-XI)	Time: 2:30 Hours

What is Economics about?

The nature, scope and methods of economics analysis. Importance of economics.

- 1. **Demand and supply:** Individual demand, aggregate or market demand, law of demand, changes in demand, elasticity of demand, measurement of elasticity of demand. What is supply, law of supply, and stock, elasticity of supply. Equilibrium between demand and supply.
- **2. Consumer, Demand Theory:** Law of diminishing and marginal utility. Consumer's equilibrium (cardinal approach).
- 3. The Costs and Revenues of a Firm: Classification of costs, fixed cost, variable cost, total average cost, marginal cost, opportunity cost, total revenue, marginal and average revenue.
- **4.** Laws of Returns: The law of diminishing returns. The law of increasing returns. The law of constant returns. The law of costs.
- **5. Price and output Determination:** Pure competition, concept and occurances, price and output determination under perfect competition and monopoly.
- **6. Resource Pricing:** Marginal productivity theory of resource demand. Factors of production (brief introduction).

Marks: 75	PART –II(CLASS-XII)	Time: 2:30 Hours
IVIAI NO. 10	I AN I -II(CLAGG-AII)	Tillie. 2.30 Hou

- 1. National Income: Measurement of National Income. National Income at factor earning. National Income at market price. Expenditure approaach to income measurement. The flow of National Income, other social accounts. GDP = Gross Domestic Product. GNP = Gross National Product. NNP = Net National Product. NI = National Income. PI = Personal Income. DPI = Disposable Personal Income.
- **2. Money:** What is money? Fuctions of Money. Quantity theory of money. Inflation, Deflation and their effects.
- 3. Business Cycle: Phase of Business cycle. Theories of business cycle.
- **4. International Trade:** Importance of World Trade, International Specialization comparative advantage, balance of trade and balance of payment.
- **5. Public Finance:** Meaning of public finance, cannons of taxation, Zakat and Usher.

List of Recommended Books, References, Reading etc.

Introduction to Modern Economics Part I and II by Dr. S.M. Akhtar Economics and Commercial Geography By Gul Zaman Qazi.

Usool-e-Muashiat by Awais Ahmad Adib

Ibtedai Muashiat by Abdul Hameed Dar.

Economics by Khadim Hussain

Principles of Economics by Prof. Sirajuddin Qureshi.

Usool-e-Muashiat by Manzoor Ali.



PRINCIPLES OF COMMERCE

(CONTENT OUTLINES)

Marks: 75 Class XI (Part-I) Time: 2:30 Hours

- **1. Introduction:** Definition of Commerce, its importance and scope. Branches of Commerce, Trade, Insurance, Finance, Marketing, Warehousing and Industry. Essentials of establishing a business house and qualities of a good Business-man.
- 2. Types of Commercial Organizations: Sole Proprietorship. Definition, Features, merits and demerits.Partnership. Formation Features, Partnership Agreement / Deed Advantages, Disadvatages and Dissolution. Joint Stock Company / Corporation. Special Feature, Kinds, Formation: Memorandum of Association, Articles of Association, Certificate of Registration, Prospectus, Certificate of Commencement of Business, Management: Shareholders, Directors and Managing Director, Winding up. Cooperative Society: Features, Kinds, advantages and disadvantages: Basic concepts of Musharqa, Mudarba
- **3. Office Organization:** Office Roles, its organization, Handling incoming and outgoing mail, basic postal information, Filing, duplicating, copying and indexing, Office equipments and machines.
- **4. Trade and its Kinds:** Home Trade. Whole sale, Retails, Middlemen, Salesmanship and Advertisement. Channel of distribution and Chamber of Commerce. Purchase and Sales of Goods. Procedure, documents used in hometradeprice list, Invoice, transportation and Railway receipts.
 - Foreign Trade Import. Import procedure, Documents used.
 - **Export:** Export procedure, documents used and role of export promotion Bureau.
- **5. Commercial Correspondence:** Essentials of a good business letters, writing of letters and their replies, Types of letters, trade and status enquiries, indents, letters of claim, collection and donning letters, Circulars-officials and semi-officials, telegram including modification, cyphering and decyphering.
- **6. Auxillaries to Commerce:** Insurance Kinds, Advantages to Commerce, Transportation/Means-Air, Rail, Road and Sea, Warehousing-Kinds and advantages, Warehouse receipts, Business Finance types and importance

Available Books

- Principles of Commerce S.Askari Zardi.
 A.H. Hashmi and Matin.
- 3. **Principles of Commerce**Ali Hassan Muzafar,
 Ilme Kutabkhana, Lahore.
- 5. **Principles of Commerce**Orient Publishers Urdu Bazar Lahore
- 2. **Principles of Commerce**Khadim Hussain,
 Navid publishers, Lahore
- 4. **Principles of Commerce**Azeem Academy Urdu Bazar Lahore



BUSINESS MATHEMATICS

Marks: 50	PART –I	Time: 2:00 Hours
	MATHEMATICS	

- 1. Business Arithmetic, Ratios Proportion and percentage, Computation of annuities.
- 2. Functions and their Graphs.
- 3. Linear and quadratic Equations, Simultaneous Equations.
- **4.** Binary Number System and its operation.
- **5.** Matrices-Indentity, Matrices, Addition, Subtracion multiplicative of matrices. Solution of Simultaneous equations through matrices.

Marks: 50	PART –II	Time: 2:00 Hours
	STATISTICS	

- 1. Nature of Statistics: What is statistics, Subject matter, fields of statistics and the types of questions it can answer. Importance of statistics in different fields.
- **2. Statistical Data:** Types of data Primary and secondary, Sources of data and Methods of Collection.
- **3. Presentation of Data:** Classification the bases of classification, Tabulation-Simple and compound Tables, Representation of data through diagrams and charts. Bar diagrams, Circular diagrams. Graphs of Frequency Distirbution.
- 4. Averages of the First Order: Mean, Mode, Median
- 5. Index Numbers
- **6. Probability Theory:** An elementary treatment, excluding probability distributions (Brief Introduction)

BOOKS AVAILABLE

- 1. Rahber Business Statistics by Aizaz Ahmad Khan, Qureshi Brothers
- 2. Business Statistics by Nadeem Akhtar Siddiqui, Azeem Academy Urdu Bazar Lahore
- 3. Business Statistics by Agdas Abbas, Igra Book Depot Urdu Bazar Lahore
- **4.** Business Mathematics by Nadeem Akhtar Siddiqui, Azeem Academy Urdu Bazar Lahore



COMMERCIAL GEOGRAPHY

Marks: 75	Class XII (Part-II)	Time: 2:30 Hours
L World	[Marks - 45 for Part I&II]	

PART-I Definition of world Commercial activities and their response to different environments.

-Primary/ Primitive activities, -Fishing, -Hunting, -Lumbering, -Agricultural Activities, -Advent of agricultural activities, -Animal Husbandary / Herding, -Farming-Subsistance, Industries and Handicrafts, Skills and factors of manufacturing, Types and products, Iron & Steel, Textiles, Fertilizers, Population growth-its global distribution, trends and its effects on various commercial activities, Growth-world-wide, Distribution, Trends and effects on Commerce, Orientation of Commercial activities and their modern trends, Choices of different countries, Inter-relationship of choices and commercial activities, Impact of the latest technology on existing commercial activities and the resultant trends.

Part-II World resources and their distributions

- 1. Agricultural resources with special emphasis on food resoures and rate of consumption: -Wheat, Rice, Sugar Cane, Tea, edible oils, -Cotton, Rubber and Wool, -Commodity Flow and consumption.
- 2. Mineral resources and their sereve estimates: -Iron-Ore, -Gold, -Uranium.
- 3. **Energy resources and their application**: -Coal, -Electricity Thermal / Hydro-electricity / Nuclear, -Natural Oil and Gas.
- 4. Human resources and their utilization: -Types according to various occupations,
 -Utilization Optimum and under utilization, -Effects on Socio Economic conditions.
 Pakistan.
- **1. Location and physical environments**: Geographical location and physical features, -Climate and Natural vegetation, -Soils and Irrigation.
- **2. Resources and their exploitation**: -Agricultural commodities Wheat, Rice. Maize, Sugar–cane, Cotton, Tobacco, -Power Electricity, Nuclear, Solar Energy & Bio-gas.
- 3. Population, its involvement and options for various commercial activates and its impact on national, regional and international trade: -Distribution and Occupation, Migration-immigration and emigration, -Influence upon nations, regional and international trade.
- **4. Logistics for the transfer of various resources**:-Roads, -Railway, -Airways and Water ways.
- **5. Priorities and identity of the commercial needs of Pakistan:**-Food autarky, Technology know-how and its application in various fields of commercial activities, Perspective needs and their fulfilment, by adding facilities like augmenting the existing irrigation system, power resources etc.

RECOMMENDATIONS LIST OF EQUIPMENT, LAB, REQUIREMENTS ETC.

-Maps and Map-rooms, A.V. Aids, Charts. Graphs, Globes, Atlases and out door study tours. At present no single book is likely to cover the recommended course. It is, therefore, suggested that a few books on commercial Geography be got prepared and published for the convenience of the students. Meanwhile the following books may be useful as a stop gap arrangements.

Available Books:

- 1. -Pakistan by Col. K.U. Qureshy
- 2. -Economic and Commercial Geography by Gul Zaman Qazi.
- 3. -Commercial Geography by Mian Muhammad Anwar.
- **4.** -Regional and Commercial Geography by Col K.U.Qureshy and Dr. Miss. M.K. Elahi.
- 5. Economic and Commercial Geography by Prof. Nazeer Ahmad Khalid
- 6. Azeem Academy Urdu Bazar Lahore
- 7. Economic Geography by F.K.Khan.
- 8. -Pakistan Atlas Oxford.
- 9. Economic and Commercial Geography by Gul Zaman Qazi



COMPUTER STUDIES/ COMPUTER SCIENCE

Marks: 50	Part-II (Class-XII)	Time: 2:00 Hours
Theory Marks: 50		Practical Marks: 25

1. Definition of Computer and usefulness in Commerce

Types of Computers: Differentiation among Digital, Analog and Hybrid computers, Classification of digital computers; Micro Computers, Mini Computers, Mainframe **Elements of Data Processing:** Familiarization with terminology and brief descriptions of various fields, within computer science i.e. Hardware, software (System Software and Application Software) System analysis Programming etc.

2. Components of Digital Computer Systems and Their Functions.

Central Processing Unit: Control Unit, Arithmetic and Cogic Unit, Main Memory Input / Output Devices: Functioning, advantages and disadvantages of various input / output Devices i.e. Terminals Printers, Card Readers, Diskette Readers etc.

Secondary Storage Devices: Disk Drives fixed (Winchester), removable, Floppy, Magnetic Tape drive etc, Usage and suitability of various secondary storage devices according to their speed and volume should be explained.

3. Information Representation in Computers

Number System: Decimal, Binary, Octal and Hexadimal, Arithmetic operations i.e. Addition, subtraction, Multiplication and Division etc.

Machine Representation: Representation of positive and Negative integers using two's complement, Bits, Bytes, Words, representation of Characters, representation of Instructions.

4. Elements of Data Processing

Problems Solving and various stages involved: Defining the Problem, Analyzing of the problem, Algorithm, Flow-charting, Coding (Programming) the Problem, Processing the Problem, Debugging the Problem, Final Output (Showing results of Problems

5. Programming Languages

—Classification of languages (Low Level, Intermediate level and high level).—Low level language (Machine Language).—Intermediate level language (Assembly Language).—High Level languages (Fortran, Cobol, passcal and Basic etc).—Suitability of a programming language according to the nature of problem

6. Elements and Programing in Basic Language

—Assignment Statements —Control statements. —Input/Out-put statements — Specification statements.—Usage of Basic statements in developing programmes for simple problems.

7. Major Applications

For Research Development in: Commercial, accounting, banking, insurance, shipping, census, immigration, taxation, communications, examinations, inventory (stores) personal information system.

Available Book:

Computer Studies / Computer Science by Kashif Shahzad Ch. & Rabia Shahzad Ch. Azeem Academy Urdu Bazar Lahore



BANKING

Marks: 75 Class XII(Part-II) Time: 2-30 Hours

Course Outlines: Definition and origin of banking.

- **1. Kinds of Banks:** Central Bank, Commerical Bank, Industrial Bank—IDBP, NDFC, Agricultural Bank, Investment Bank—ICP, Saving Bank, Cooperative Bank.
- **2. Commercial Banks:** Scheduled and non-scheduled Banks, Functions, Importance and services performed by a modern commercial bank.
- **3. Kinds of Bank Account:** Saving, Current, Fixed, PLS, Operation of above accounts (Practical Demonstrations).
- 4. Credit Instruments: Cheques, Bill of Exchange, Promissory note, Letter of credit.
- **5. Bank advances:** Over draft, Cash credit, Loans Secured and unsecured, Credit creation by Commercial Banks.—their powers and limitations.
- **6. Central Bank:** Origin and growth, Functions of a central bank, Credit control measures, State Bank of Pakistan—its relation with scheduled banks and its role in the national economy.
- 7. Foreign Exchange: Meaning—exchange rates, exchange control and trade, foreign remittances, Note,—These course outlines may be adopted for similar course of Banking in D Com. scheme of Studies.

Evaluation

Internal: For internal evaluation, monthly tests be conducted to assess the knowledge of the students regularly, Quiz programmes be arranged to encourage competitive spirit among the students.

External: Ten questions may be set and the students be asked to attempt any five questions carrying equal marks, Guest speakers from different banks may be invited to deliver lectures, Students visit in batches to various banks branches be arranged.

Available Textbooks

Principles of Banking by Mohammad Hanif.

Principles of Banking by Qazi Shahzad

Azeem Academy Urdu Bazar Lahore

Law and practice of Banking in Pakistan by Asrar H. Siddigi.

Money Banking and Credit by Saeed Nasir.

Banking by S. Qavi Ahmad

Banking in Pakistan by S.A.Meenai

(Economic News letters, of banks.), (Journal of Institute of Bankers in Pakistan.)



HOME ECONOMICS GROUP

	(There will be two papers of 100 marks each.) PART-I (CLASS-XI)	Marks
1.	PAPER I.	100
	Biology and Chemistry	
	Section A : Biology (Theory : 35 Practical : 15)	
	Section B : Chemistry (Theory : 35 Practical : 15)	
2.	PAPER II.	100
	Home Management (Theory: 85 Practical: 15)	
3.	PAPER III.	100
	Clothing & Textiles (Theory: 85 Practical: 15)	
	PART-II (CLASS-XII)	
4.	PAPER IV	100
	Applied Art (Theory: 85 Practical: 15)	
5.	PAPER V	100
	Food and Nutrition (Theory: 85 Practical: 15)	
6.	PAPER VI	100
	Child Development and Family life (Theory: 85 Practical: 15)	
	Total Marks	600

Marks: 35

PAPER I (PART-I) (CLASS-XI)

Section A-Biology Marks: 35

- 1. **Zoology:** Study of the basic animal science, Cytology, i.e. protoplasm, cell structure, divisions and Fertilization, Histology of the simple and compound tissues in general, Brief classification of the animal kingdom, Study of the characteristics of parasites and their effects on human beings.
- **2. Physiology of the human body:** Muscular system, movements and levers, Skeletal system and joints, A general study of the structure and function of the digestive, respiratory, circulatory, nervous, excretory and reproductive systems of the body, Structure and function of the eye, ear, nose, skin and tongue.
- 3. Botany: Classification of plants, Parts of plants and their functions, Root-absorption of water and nutrient salts from the soil, holding the plant in position, storage of food, Stem-carrying water and food-storage of food, Leaves- manufacture of food and loss of water, Flowers-formation of fruits and seeds, Special uses of plants and trees to man. Their fundamental values as food including vitamins and uses for latez and rubber, tobacco, perfumes, spices and condiments, tea, coffee and cocoa, medicines-drug-ex—castor ,oil iodine from sea weed, building materials, fuel and timber, Conservation-importance in the prevention of erosion.

Section B - Chemistry

- 1. Physical Chemistry: Physical and chemical changes, Elements, mixtures and compounds, Chemical symbols, formulas and chemical equations, Dalton's atomic theory; laws of chemical combination, Elementary idea of electron, proton and neutron and electronics structure of atom, Definition of atomic weight, molecular weight and equivalent weight, Elements of thermo-chemistry and thermo-chemical educations, Calculations based on chemical equations, Oxidation; reduction, Elementary study of reversible reactions and chemical equilibrium; elementary ideas of Law of Mass action, Electrolysis and ionization, Catalysis and colloids.
- 2. Inorganic Chemistry: Water as a solvent; change in its density with temperature; its high specific heat, high heat of vaporization-relation of each of these to health; softening of hard water; purification of water for drinking pursposes and for laundry, Preparation, properties and uses of hydrogen peroxide and ozone, Air and its composition; respiration and combustion; flame, Natural gas, coke and other fuels; carbon monoxide poisoning, Carbon dioxide; preparation, properties and uses (fire extinguishers), Acids, bases and salts, general characteristics of each class, Action of air, water, acids and alkalies on the following metals and alloys: Silver, gold, copper, brass, bronze, tin, aluminium, iron, chromium and nickel, Composition and properties of common salt sodium thiosulphate, baking powder, bleaching powder lime, copper sulphate, white lead, silver-nitrate, common alum, potassium permanganate, Elementary study of the following processes:- Photography; electroplating; silvering of mirrors and tinning.
- 3. Organic Chemistry: Elementary study of the following:- Hydrocarbons (methane, ethane and acetylene), Ethyl alcohol, Acids: Organic acids in common domestic use acetic, oxalic, tartaric and citric acids, Carbohydrates glucose, cane sugar, starch, study of cellulose with special reference to its industrial importance in rayon, paper, cellophane and synthetic materials, Fats and oils soap and saponification, Proteins, Dyeing acid fats and alkali- fast dyes, mordant; bleaching and use of anti-colour, Fermentation of food by different methods and pasteurization of milk.

LIST OF PRACTICAL FOR PAPER-I "BIOLOGY & CHEMISTRY"

Practical Paper-I Part-I with the help of models students will be instructed in the identification of :-

Section-A: Different types of Plants, Different Parts of Plants, Parts of skeletal system, Parts of Eyes & Ears.

Section –B: Demonstrations the difference in a physical and chemical change, Demonstrations the effect of heat on water change in state and temperature, Characteristics of acids, bases and salts, General Characteristics of carbohydrates, fats and Proteins-colour reactions-solubility, effect of heat.

PAPER II (PART-I) HOME MANAGEMENT

(Outlines of tests)

Marks: 85 Part-I Theory (Class-XI) Time: 3:00 Hours

1. Management and its relationship to family goals, values and resources.

Family goals and values as related to management, Developing and understanding of resources to be managed:— Types of resources —human and material, Interrelationship of resources, Control, evaluation and planning of resources, Scarcity of resources for management.

2. Comfort and beauty in the home.

Planning houses to meet family needs, Selection and functional arrangement of furniture and furnishings, Improvement of household storage, Study of heights of working surfaces.

3. Protection of health in the home.

Sanitation in the home, Constructional features of housing in relation to the health of the family:— Ventilation, Lighting, Drainage, Disposal of refuse, Insulation, Arrangement for areas of recreation in the home.

4. Household equipment.

Household equipment used in Pakistani homes, Amount and kind of equipment needed for maintenance of a home, Selection of household equipment in relation to the design and function of equipment, Care and storage of equipment.

LIST OF PRACTICAL FOR CLASS -XI (PART-I)

Plan time-table for different family members, Compare simple account books, report on money expenditure in a family and keep a record of personal accounts, Plan household storage in own homes, Experiment with adjustable work heights, Make a study of the health and sanitary members in the community, Evaluate and suggest improvement for the equipment commonly and in Pakistan homes in relation to design, function, use, efficiency and care.

Note: Field trips will be arranged for the students in connection with their Practicals.

PAPER III (PART I) (CLOTHING AND TEXTILES)

(Outlines of tests)

Marks: 85 Part-I Theory (Class-XI) Time: 3:00 Hours

- 1. Selection, construction and storage of clothes.
- a. Principle of art applied to selection of clothes and fabric:—Analysis of personal characteristics, Study of design dements in dress, Selection of appropriate dress and accessories.
- **b. Shopping practices and consumer ethics:**—Study of marks and prices, Effective shopping practices, Ethical and unethical practices in shopping.
- **c. Principles of wardrobe planning:**—Planning individual wardrobe in terms of family, social economic status and the economy of Pakistan, Factors that determine wardrobe planning such as family budget, activities, personality, season of the year, age, set and occasion in terms of social customs of the country.
- **d.** Construction of clothes:—Drafting individual bodies block—taking accurate measurements and considering correct drafting procedures, Construction of a minimum of two garments for the students herself based on her wardrobe analysis and incorporating at least five new techniques and learning, Sewing equipment, its proper use and care; choice of fabrics for garments: construction processes.
- **e. Methods for care sad storage of clothing.** Values and basic principle of laundering, stain removal ironing and pressing, Principle of storing clothes, such as cleanliness, neatness, orderliness and protection from wrinkling, dust, dampness, insects, Mending methods in the context of appropriateness to the fabric, in relation to time, energy and worth of the garments repairing, patching and darning.
- 2. Study of Textile Fibres.

Classification of textile fibres, A comparative study of the characteristics of textile fibres, identification of textile fibres of common use; miscroscopic Structure; simple methods of fibre identification such as the burning test and the feelings test, simple chemical tests for identifying fibres, The three basic weaves and their characteristics:

Plan, twill and satin weave, Finishing processes such as mercerization, nappring calendering, pre-shrinking.

LIST OF PRACTICAL FOR CLASS-XI (PART-I)

Drafting individual bodies block, Construction of a minimum of two garments based on own wardrobe analysis and incorporating at least five new techniques and learnings, Principles of Stain removal, Ironing and pressing cloths, common mending methods; patching; darning, Examination and collection of a variety of Fabrics made from different textile fibres, Identification of fibres using simple methods, Natural, man made, synthetic burning test, physical test, chemical and microscopic.

PAPER IV (PART-II) (APPLIED ART)

(Outlines of tests)

Marks: 85 PART –II(CLASS-XII) Time: 3:00 Hours

Application of Art in everyday living.

1. Application of design through planning, designing and construction of any five of the following crafts:

Tied and dyed and stencilled dupattas or scarves, batik- curtain, kamiz, sari, Leather work, pocket-books, sandals. Basketery — two types of basket, Straw-weaving mats for table, block printing, meaving, crubing of carvings and engraving, Composition using natural material e.g. flowers, grasses branches, fruit, Selection and arrangement of pictures and wall hangings, Construction of frames.

- **2.** Principles of art applied to all planning and construction; harmony, rhythm, balance, proportion, emphasis.
- 3. Elements of art applied to all creative work:— Colour, texture, line form.
- **4.** Demonstration of arrangement of space, line and colour on posters illustrative material for other classes, bulletin boards, decoration for parties.

PRACTICALS

Students will submit five creative projects for evaluation with an analysis of how the principles of art and the elements of art are used. At least one project should illustrate the use of colour and colour harmony.

PAPER V (PART-II) (FOOD AND NUTRITION)

(Outlines of tests)

Marks: 85 PART –II(CLASS-XII) Time: 3:00 Hours

1. Understanding the nutritional importance of food.

Definition of nutrition, Classification and functions of food nutrients: Carbohydrates, fats, proteins, minerals, vitamins and water, Composition and nutritional value of vegetables, fruits, eggs, milk, meat and other common foods, Conservation of nutrients in food preparation-

- 2. Family meal management.
- **a. Points to be considered in meal management**:—Personal nutritional needs, Factors governing nutritional requirements in respect of age sex, activity, Adequate diet for the family; infant nutrition, invalid diets and others, Adapting receipts to number of persons to be served.
- **b.** Food preparation:—Use of weights, measures and equivalents, Methods and principles of cookery: Meat, vegetables, fruit and sugar, Effects of cooking on nutrients palatability, texture, colour.
- c. Study, care and use of equipment used in food preparation.
- 3. Food Fads and fallacies.

Relation of food and fallacies to personal food selection such as superstition, religion, special days.

4. Home Gardening and fond production.

Value of planning for producing food at home—nutritional, recreational and educational, Soil preparation and management of the garden, Selecting vegetables, fruits and flowers suited to the area selected for gardening, Protecting vegetables, fruits and flowers from pests, heat, excessive rain, Care and use of fresh, home produced food, Poultry and other sources of protein-rich food for the family.

LIST OF PRACTICALS FOR CLASS-XII (PART-II)

Record food intake and activity for a given period of time (two days or more) and evaluate dietary in relation to energy requirement, Learn to measure 100 calorie portions of food. Compare the dietary adequacy of rice, eggs, dal, atta, fruits, vegetables.Compare nutritional value of polished and unpolished rice, maida and atta, Estimate number of servings from a prepared rcceipt (keep in mind the amount of adequate servings), Plan a menu which will furnish the daily food requirements for a family. Prepare one meal from this menu.

Prescribed textbook- "FOOD AND NUTRITION"

Author: Mrs. D. N. Dastur

Editor: Miss Razia Noor Muhammad

Published by: M/s Ilmi Kitab Khan, Urdu Bazar, Lahore (For Punjab Textbook

Board, Lahore)

PAPER VI (PART II) (CHILD DEVELOPMENT AND FAMILY LIFE)

(Outlines of tests)

Marks: 85 PART –II(CLASS-XII) Time: 3:00 Hours

1. Understanding helping family members

Care of the mother during pregnancy: Care of the mother during pregnancy to ensure a good start in life for the baby, Helping the mother to understand her needs and giving her information about egencies and persons able to help her.

Preparation for the arrival of a new baby: Preparing parents and other family members for welcoming the new baby, Helping parents to understand the characteristics and needs of the infant.

Understanding the growing child: Characteristics of the pre-school child, school child and pre-adolescent. Aspects of growth and development, physical, emotional, social and mental. Inter-relationship of all aspects of growth.

Care of children from infancy through pre-adolescence: Explanation of the importance of observation of children of home and directed observation of children in the nursery, primary and middle schools. Discussion of guidance principles related to observation.

2. Care of the health of the family.

Requirement of good health: Adequate food, sleep, fresh air, sun shine, comfortable clothing, exercise, safety from home hazards: fire, poisons, sharp instrument and other.

Development of individuality: Relationship of the child to family members, teachers, class-mates and others, Child's needs for developing his potentialities at home and outside the home, Behaviour problems and how to deal with them, Characteristics behaviour accompanying growth changes; guiding children towards desirable behaviour, Acceptance of the whole child co-operation between family members and others understanding the child and guiding him towards maturity, The role of play in the child's development. Principles underlying the selection, care and use of equipment and play material. Understanding child's interest and activities—book's pictures, music, individual and group play, importance of the peer group.

LIST OF PRACTICALS FOR CLASS-XII (PART-II)

Preparation of a file on observations in the college nursery school (or of a child at home or in the neighborhood), primary and middle school, Field trips, Audio-visual aids to be developed during the year. Guide sheets will be furnished for these reports for the file. This file will also include a chart showing play materials for each developmental level from infancy through pre-adolescence.

Prescribed textbook- "CHILD DEVELOPMENT"

Author: Dr. Mrs. M. Ahmad.

Editor: Miss Razia Noor Muhammad

Published by: M/s Ilmi Kitab Khan, Urdu Bazar, Lahore (For Punjab Textbook

Board, Lahore)



NURSING

(There will be two papers of 100 marks each.)

(Outlines of tests)

Marks: 85		CLASS-XI (PART I)	Time: 3.00 hours
Syllabus.	1.	Anatomy, Physiology and Hygiene	35 marks
	2.	Nursing and First Aid	50 marks

ANATOMY AND PHYSIOLOGY

1. Introduction to the Body.

Cells and tissues: structure and function, Body as a whole; chief cavities and contents

2. Skeleton.

Bones: Structure and growth, types of bones.

Skull: Name and position of bones of cranium and face.

Teeth. Spinal column and Thorax: Spinal column as a whole, general structure of vertebrate and their types.

Sternum and ribs, Shoulder girdle and upper extremity, Pelvic girdle and lower extremity.

3. Joint and Muscles:

Joints: (general structure varieties, chief joints of the body.

Muscles: general features of voluntary muscle. Position and action of the chief muscles of the body.

Blood and Circulatory System

Blood: Composition, function and coagulation.

Heart: Position structure and function.

Blood Vessels: Arteries, veins, arterioles and capillaries including their structural differences. Names and positions of the chief blood vessels.

Circulation of Blood: General, pulmonary and portal circulations. Pulse and blood pressure.

Lymphatic System: Lymph, lymphatic vessels and glands. Spleen

5. Respiratory System:

Organ of Respiration: Position, structure and functions.

Mechanism and process of respiration; Chief muscles of respiration.

Purpose of respiration.

HYGIENE

1. Personal, family and community health.

Concept of health: Definition and general principles, Physical, mental and social factors influencing health, Effects of environmental and economic factors, Human behavior and motivation.

Personal health

Personal hygiene: Habits, posture, exercise, sleep, rest, and recreation, Cleanliness of the whole body.

Mental and social health: Normal recreation, emotional adjustments, effects of social and physical environments, behavior and attitudes (including attitudes towards birth, life and death).

2. Domestic and Community Hygiene

- i. Milk; Composition, Contamination and adulteration, pasteurization and sterilization.
- **ii. Food:** storage and preservation.
- iii. Home Safety.
- iv. Air and ventilation: Composition and impurities of air, principles of natural and artificial ventilation, application to the home and institutions.
- v. Water; Sources of water supply in Pakistan, purification and storage of water for domestic purposes,
- vi. Disposal of refuse and sewage: Water carriage and conservancy systems, purification of sewage by septic tank and activated sludge process.
- vii. Microbiology

- **a.** Type of micro: Organisms, main characteristics and mode of life.
- **b. Infection:** Portals of entry, spread of infection and its control,
- **c. Immunity:** Active and passive.
- **viii.** Spread of infection by means of water, food and air in cholera dysentery end the enteric fevers.
- **ix. Spread of infection by insects:** Flies; mosquitoes, sandflies, lice, bedbugs and fleas.
- **x. Intestinal parasites;** Threadworms, roundworms, hookworms and tapeworms.
- xi. Pest control.

HISTORY OF NURSING

1. Islamic Heritage in Nursing and Medicine.

Nursing and Hygiene in the Prophet's time, Outline of the growth of Arabic medicine from the 5th century, Work of famous Islamic Physicians and surgeons Al-Razi, Ibn-Sina, Ibn-Zuhr, Al-Zahrawi, Famous Muslim hospitals during the 8th -13th centuries in Baghdad, Cairo, Damascus and Cordova.

- i. Florence Nightingale: Her life and work in the Crimea, founding of modern nursing.
- a. Brief history of nursing in Pakistan to the present day: Pakistan Nursing Council, West Pakistan Nursing Services Council, Pakistan Nurses Federation and International Council of Nurses
- **b.** Future of nursing; careers open to nurses.
- c. Work of other health services to-day: Red Cross.
- 2. NURSING ETHICS AND ETIQUETTE
- i. The need for a special code of behavior for nurse, The qualities of a good nurse, The nurses relationship to: The patient and his relations, Nursing Staff, Medical Staff, The international code of nursing ethics.

3. DOMESTIC WARD MANAGEMENT

Methods of cleaning, Care of the sickroom and its furniture, Care of bedding, linen, blankets, waterproof, plastic goods, glass-ware, rubber goods and china goods, Care and sanitary methods of cleaning utensils, baths and lavatories, Disposal and disinfection of soiled linen and dressings, Disinfectants in common use, Sterilization of utensils, rubber and plastic goods

4. NURSING CARE OF THE PATIENT (Theory and Practical)

- i. Bed making, admission bed, changing sheets from side to side with the patient in bed, operation bed, Fracture bed and use of Bed Cradles, Lifting and turning of patient, Bathing in bed and the bathroom, Care of pressure areas, causes, prevention and treatment of bedsores, Care of the mouth and teeth including those of a helpless patient, Care of the hair washing, fine combing, treatment for pediculosis, Taking and recording temperature, pulse and respiration, Serving meals and feeding a helpless patient
- **ii. Drugs and lotions:** Simple weights and measures, technical terms and abbreviation in common use. Administration of drugs orally. Cure of simple and dangerous drugs.
- iii. Inhalations: Preparation of moist inhalations.
- **iv. Enemas;** Those to be returned eg. Soap, olive oil and glycerine enemas, Those to be retained eg. Continuous rectal infusion.
- **v. Hot applications:** Filling hot water bottles, Fomentations, Medical including Turpentine stupes, surgical.
- vi. Cold applications; Filling ice bags, Cold compresses,
- vii. Tepid sponging.
- viii. Testing of urine for albumin and sugar Reaction and specific gravity.
- 5. BANDAGING
- i. Types of bandages and their uses, Application of roller and triangular bandages. Use of simple splints,
- **ii. Roller bandaging:** Simple and reverse spiral and figure of eight, spica of elbow, knee and heel, bandage of the hand, fingers and thumb, ascending shoulder spica, bandage of the ear, eye and carbuncle.
- iii. Triangular bandaging: Slings.

6. FIRST AID

General principles of first aid, Shock, Haemorrhage including epistaxis, Haemoptysis and Haematemesis, Fractures, sprains and dislocations, Wounds, abrasions and bruises, Bites and stings, Burns and scalds, Loss of consciousness; fainting, fits, and convulsions, asphyxia from drowning, choking and carbon monoxide gas Electrocution.

Poisons: General principles of treatment, Foreign bodies, Ear, Nose, throat and stomach.

Artificial respiration: Holger Nielson, Mouth to mouth

LIST OF PRACTICALS FOR CLASS-XI (PART – I) NURSING CARE OF THE PATIENT

Bed making, admission bed, Lifting and turning patients, Care of the hair, hair washing, fine-combing, treatment for prediculosis, Bathing in bed and the bathroom, Taking and recording temperature, pulse and respiration, Drugs and lotions: simple weights and measures technical terms and abbreviations in common use, Administration of drugs orally. Care of simple and dangerous drugs, Hot applications, Filling hot water bottles, Cold applications; (Filling ice bags, Cold compresses).

BANDAGING

Types of bandages and their uses. Application of roller and triangular bandages Use of simple splints, Roller bandaging: simple and reverse spiral and figure of eight, spica of elbow, knee and heel, bandage of the hand, fingers and thumb, ascending shoulder spica, bandage of the ear, eye and carbuncle, Triangular bandaging: Slings.

Marks: 85 CLASS-XII (PART-II) Time: 3:00 hours

ANATOMY AND PHYSIOLOGY

- **1. Digestive system:** Alimentary tract and associated organs: position, structure and functions, Simple description of the process of digestion and absorption.
- **2. Metabolism:** Simple description of the metabolism of proteins, fats and carbohydrate, Body heat and regulation of body temperature.
- **3. Excretory system:** Kidneys and urinary bladder: structure and function, Simple description of the formation of urine. Composition of urine. Micturition, Skin: structure and function. Hair and nails.
- **4. Endocrine system:** Brief outline of the endocrine glands. Structure and function of the pancreas, thyroid, parathyroid, suprarenal and pituitary glands
- **5. Nervous system:** Central nervous system: cerebrum, cerebellum, medulla and spinal cord, Peripheral nerves and reflex action, Autonomic nervous system, Organs of special sense
- **6. Reproductive system:** Structure and function of the male and female reproductive organs.

DIETETICS

Essential nutrients: Protein, carbohydrates, fats, vitamins, mineral salts and water, Calorie values and requirements, Balanced diet.

Practical:

Simple food tests for proteins, Carbohydrates and fs, Enzyme action eg. action of saliva on starch, Sickroom cookery: tea, barley water, albumin water egg frip, scrambled egg, baked custard, egg jelly, orange jelly, vegetable soup.

HEALTH OF MOTHER AND CHILD

- 1. Preparation for marriage and parenthood, The importance of a happy home environment on the physical and mental development of the child, Parental responsibilities in promoting character development.
- 2. Importance of good maternity care, Signs and symptoms of pregnancy; antenatal care, Brief outline of fetal development and the birth of the baby, Post-natal care.
- **3.** Care of the baby; Breast and artificial feeding; weaning, Bathing the baby, Immunisation.
- 4. Maternal and child welfare services.
- **5.** Family Planning; The need for family planning at the national level and the family level.

Recommended books:

- 1. Anatomy an Physiology for Nurses-by W. Gardon Sears.
- **2.** Aids to Practical Nursing Marjorie Houghton.
- 3. An Introduction to Hygiene and Public Health by Dr. Niazi,
- **4.** Maternal and Child Welfare Manual—Susan Tracy and Archibald Norman, published by British Red Cross Society
- 5. Sir John's Ambulance First Aid Manual.

INSTRUCTIONS FOR PRACTICAL TRAINING

- 1. For Regular Students: One period per week through-out the two years course, for practical instructions in the class room in the college, In addition to this, during the second year, each student should visit a recognized hospital weekly for at least one hour's practical bed-side nursing so that a minimum total of 30 hours Ward experience is gained. A certificate to this effect should be signed by the nursing Superintendent of the hospital and forwarded to the Principal of the college concerned.
- 2. <u>For Private Students:</u> No Private candidate is allowed to take the examination unless she has produced a certificate from the Nursing Superintendent of a teaching hospital to the effect that she has put in the minimum of 30 hours of practical work in the hospital.

NURSING (Division of Practical) PART - II (CLASS XII) NURSING CARE OF THE PATIENT

- 1. Changing sheets from side to side with the patient in bed, operation, bed, Fracture bed and use of bed Cradles.
- **2.** Care of pressure areas, causes, prevention and treatment of bedsores.
- 3. Care of the mouth and teeth, including those of a helpless patient,
- **4.** Inhalation: preparation of moist inhalations,
- **5. Enemas :** Those to be returned eg. soap, olive oil and glycerin enemas, Those to be retained eg. continuous rectal infusion.
- **6.** Tepid sponging.
- 7. Testing of Urine for albumin and sugar Reaction and specific gravity, FIRST AID
- **8.** General principles of first aid.
- 9. Shock.
- **10.** Hamorrhage including epistaxis, Haemoptysis
- 11. Fractures, sprains and dislocations.
- **12.** Wounds, abrasions and bruises.
- **13.** Bites and stings.
- **14.** Burns and scalds.
- **15.** Loss of consciousness; fainting, fits and convulsions, asphyxi from drowing, choking and carbon monoxide gas Electrocution,
- **16.** Poisons: general principles of treatment, Foreign bodies, Ear, .Nose, Throat and Stomach.
- 17. Artificial respiration: Holger Nielson, Mouth to mouth.



ISLAMIC STUDIES GROUP

This	group will comprise the following three so	ubjects;	Marks
1.	ARABIC	PART I	100
		PART II	100
2.	ISLAMIC STUDIES	PART I	100
		PART II	100
3.	ISLAMIC HISTORY AND CULTURE	PART I	100
		PART II	100

Syllabus.

(1) ARABIC

Marks: 100 PART I (CLASS-XI) Time: 3	hours
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The syllabus and time will be the same as that of Arabic (Elective) Paper A (Part-I) in Humanities Group.

Marks : 100	PART II (CLASS-XII)	Time : 3 hours
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The syllabus and time will be the same as that of Arabic (Elective) Paper B (Part-II) in Humanities Group.

(2) ISLAMIC STUDIES

Marks: 100 PART I (CLASS-XI)	Time : 3 hours
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Al-Fiqh-Chapters on Taharat, Salat, Saum and Zakat from Multapal Abhur or Al-Quduri. **Usul al-Fiqh**—The four Usul, viz. (Kitab, Sunnah, Ijma and Qias.)

Marks : 100	PART II (CLASS-XII)	Time : 3 hours
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Al-Quran: Surat al-Baqra with translation and explanation. 70Marks

Al-Hadith: Mishkatal-Masabih from Kitab-al-Inam to the end of Kitab-al-Ilam. 30Marks

(3) ISLAMIC HISTORY AND CULTURE

Marks : 100	PART I (CLASS-XI)	Time: 3 hours
I Warks : TOO	PARTICLASS-XII	Time: 3 nours

The political and cultural history of Islam upto the Umayyad period.

1. Background of Islam.

Pre-Islamic civilization of the Near East: Assyrian and Babylonian civilization, the Hebrew-monotheism Byzantines; Christianity; imperial administration. The Sassanians – Zora - strianism, ideas of monarchy. Political, social and cultural life of the Arabs before Islam.

Life of the Prophet: His early life; mission and early difficulties; Hijrat; wars and ultimate triumph; beliefs and institutions of Islam; character and achievements of the Prophet as a social reformer and builder of a new millat.

2. The early Caliphs.

Abu Bakr: His election as Caliph; Osama's expedition; suppression of rebellions and aspostacy; beginning of the clash with the Persian and the Roman Empires; Abu-Bakr's character and achievements.

Omar: Spread of Islam and expansion of Arab rule in Iraq, Persia, Syria and Egypt; emergence of Islam as a great power; evolution of civil government and military organization; treatment of non-Muslims; his character and achievements.

Osman: Continuation of the expansion of Islam; his character and achievements. **Ali**: Succession of Ali; civil wars; origin of the 'Shias' and the 'Kharjis'; Ali's administration; his assassination; his character and achievements.

Progress of Islam in the period of the early Caliphs; its political, social, economic and cultural aspects.

3. The Umayyads

Amir Muawiyah: Abdication of Imam Hasan; Establishment of the Umayyad dynasty; Amir Muawiyah's campaigns and conquests; measures to consolidate dynastic rule of administration; beginning of the Arab navy; Amir Muawiyah's character and achievements.

Carrier and character of Imam Hussain; Events leading to the tragedy of Karbala; its religious, moral and political significance.

Abdul Malik: Restoration and consolidation of Umayyad rule; campaigns against the Byzantines, Berbers and Kharjis; his policy and administrative reforms.

Walid bin Abdul Malik: Spread of Islam and expansion of the Arab rule in Asia, Africa and Europe, his works of public utility; promotion of art and architecture; growth of naval-power grandeur of his reign.

Sulaiman bin Abdul Malik: His ill-treatment of the Muslim generals; military campaigns and conquests; seize of Constantinople.

Omar bin Abdul Aziz: His character, zeal for reforms and achievements.

Later Umayyad rulers; The Armenian and Caucasion wars; campaigns in France, causes of the decline and fall of the Umayyads.

Nature of the Umayyad rule: Growth of the Arab Empire in this period; administration-provincial and central; military organization; social, cultural, and economic condition; the capital and the royal court; architecture and paintings.

Marks: 100 PART II (CLASS-XII) (Option I) Time: 3 hours

The political and cultural History of Islam from the beginning of the Abbasids to the fall of Baghdad

1. The Abbasids:

Foundation and consolidation of the Abbasid dynasty; Abbasid propaganda the appearance of Abu Muslim and the establishment of the Abbasid dynasty; Al-Saffah; Al-Mansur, the real founder of the dynasty; consolidation of the Abbasid rule; foundation of Baghdad; rise of the Barmaki family and growth of the Persian influence. Mahdi and suppression of the Mutazalities; glory of reign of Haroon; fall of the Barmaki family.

Mamun; his patronage of Mutazalities; intellectual and literary development under Mamun.

Mutasim and the beginning of the Turkish ascendancy; Samara; Al-Mutawakkil; rise of the local Persian dynastics; the Buwayhids; the Saljuqs; Tughril, Alp Arslan and Malik Shah; the Ayyubis in Egypt and Syria.

The Crusades; causes and effects; Salah-ud-Din Ayyubi.

Mongol invasion of the Muslim world and the sack of Baghdad 1258 A.D. Causes and effects of the fall of Baghdad.

Nature of the Abbasid caliphate; ascendancy of the Persian influence; wazarat and administration.

Foreign relations of the Abbasids.

Social and economic conditions; position of the slaves and treatment of the non-Muslims.

Scientific and literary progress; Medicine, geography, astronomy, history, philosophy, literature and poetry law and jurisprudence, political thought.

Education; Institutions of higher learning, literary societies, libraries.

Fine Art; Architecture, painting, calligraphy and music.

2. Fatimid Caliphate in Egypt:

Ismaili Sect, origin of the Fatimids; establishment of the Fatimid rule in Eygpt; Al-Muizz and expansion of the Fatimid rule in Siclly, Italy and Arabia; Al-Aziz; patronage of art, architecture and education; Al-Azhar; Decline and fall of the Fatimids, the rise of the Mamluks.

Marks : 100 PART II (CLASS-XII) (Option II) Time : 3 hours The Cultural System of Islam

Among others, the following specific aspects will be studied in the light of the Kitab and the Sunnah and the writings of eminent Muslims thinkers :

The Individual:—Study of the Akhlaq-i-Islam with special stress on the following points: Taqwa, Dhikr, Sabr, Shukr, Afw, Adl, Ihsan, Tadabbur, Tahammul, Khidmati-Khalq, Talab-i-Ilm.

The Family :—The nature and purpose of home life,
The role of the mother, father and children, The rights and duties of husband and wife.

The School and the Mosque :- The nature and purpose of education in Muslim Society, The role of the Maktab in Society, The role of Mosque in society.

Muslim Society :— The rights and duties of : Relatives, Neighbours, Citizens, The state.

The World of Islam: The concept of (The Umma, Ukhuwwat, Tabligh, Jehad).



AGRICULTURE

(Outlines of tests)

PARTI = Marks 85

PART II = Marks 85

PRACTICAL = Marks 30

Syllabus

Marks: 85 PART I (CLASS-XI) Time: 3.00 hours

- 1. Importance of Agriculture for Pakistan. Division of province into zones according to rainfall and climate. Suitability of different crops for different zones. Elementary knowledge about soil formation, physical constituents and properties of main types of soils in the province.
- 2. Water holding capacity and movement of water in different types of soils and its effect on crops production—Alkaline and acid soils—their causes and control.
- Importance of irrigation for area with low rainfall and for crops grown during the dry season of the year. Critical times in the life of crop when irrigation is necessary including those implement commonly used in mechanized farming, Advantages and drawbacks of irrigation from: (Canals, Tube-wells and ordinary wells and Ponds and other means), Remedial measures for water-logging.
- 4. Soil conservation and allied practices. Soil fertility and how to maintain it. Conservation of farm-yard manure and making of compost from vegetative matter, Green manures and its importance. Part played by nitrogen fixing bacteria associated with leguminous plants. Advantages of growing leguminous crops for green manuring or as alternate crops, Importance of Inorganic and Organic Manures. In crop growth role of major and minor elements.

LIST OF PRACTICALS FOR CLASS-XI (PART I)

A group of students will maintain a simple plot of land where they will grow one kharif crop, one Rabi crop and some seasonal vegetables. They will keep a record of all field operations done throughout the year with dates and also a record of performance of crops grown by them. They will learn the use of local and improved implements for their field operations so far as possible, Identification of different soils, Experiments of Illustrate physical Properties of sand and clay with special reference to their comparative weights, permeability to water and their relative water holding capacity, Identification of different organic and inorganic manures, Field trips in the locality.

Note: A record of all practical work done throughout the year will be maintained and produced at the time of Practical examination.

Marks: 85 PART II (CLASS-XII) Time: 3.00 hours

- 1. Parts of a plant and their functions in detail—root, stem, leaf, flower, fruit and seed.
- 2. Germination of seeds—condition essential for germination; qualities of good seed.
- **3.** Plant nutrition—essential elements required for plant growth. How these are taken by plants?
- **4.** Soil, season and rainfall requirements of important Kharif and Rabi crops of the province.
- **5.** Soil, time of sowing, seed rate, water requirements imprance of gardens and vegetable crops of the province.
- **6.** Out turn, cost of production and profits obtained from important field crops and vegetable crops.
- **7.** Principles underlying rotation of crops.
- **8.** Recognition of weeds growing in crop fields; steps to be taken for eradicating weeds.
- **9.** Recognition of major local insect pests and diseases of crops-Identification of insect pests at different stages of their life cycle. Step to be taken for controlling different insect pests and plant diseases.
- **10.** Recognition of important breeds of milch, cattle, draft animals, sheep and goats and poultry. Elementary knowledge of general management. Care and feeding of cattle, sheep goats and poultry.
- 11. Chemical fertlizers—methods of their application and doses for important crops.
- **12.** Importance of preparatory tillages—methods and implements used for tillage,
- **13.** Different methods and implements used for seed bed preparation, sowing of crops and inter-tillage.

LIST OF PRACTICALS FOR CLASS-XII (PART II)

Testing germination and purity of seeds, Collection and recognition of important weeds of the locality, Collection and recognition of important insect pests and plant diseases of the locality. Controlling of insect pests and plant diseases by spraying, dusting, etc, with suitable chemical, Observation of good and bad points of cattle and determination of important breeds, Field trips in the locality.

Note. A record of all practical work done throughout the year will be maintained and produced at the time of the Practical examination.



LIBRARY SCIENCE

AIMS AND OBJECTIVES OF EDUCATION IN LIBRARY SCIENCE

- 1. To develop interest in reading materials and their use in libraries and to promote reading habit among the students.
- 2. To create among students a better understanding of the usefulness of libraries in their studies and their dynamic role in a fast changing society.
- 3. To develop among the students the skill to make effective use of library resources and services including library equipments so that irrespective of the career that they may later-on choose for themselves, they can derive maximum benefits out of the library.
- **4.** To acquaint students with the literature of Islam and Pakistan.
- **5.** To promote interest among students for life-long education and help them to develop into good citizens.

Syllabus Library Science

Marks 85 Class XI (Part – I)	Time: 3.00 hours
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Paper-1— Introduction of Books and Libraries

This paper will consist of the following five sections:

Nature and types of libraries and their use, Nature and types of library materials, History of books and libraries, Use of library materials, Meaning and concept of information.

Scope:

Definition, concept and brief description of objectives and services of library. Role of the library in society (pages 20). Definition and concept of books and other library materials, Types of library materials, care of library materials (Pages 20). Brief history of writing and writing materials (The Alphabet, papers making and printing). Brief history of libraries in general with special reference to Pakistan. Brief introduction to libraries and the library materials possessed by the city libraries and libraries in the vicinity. (Pages 20). Purpose of books and other library materials. Library materials for use. Methods and ways of making them useable. (Pages 20). The meaning, concept and role of information in generation of knowledge and its usefulness (Pages 20).

Practicals

The practicals for each section will include term papers concerning to the specific topics of each section. This may also include reports of library tours.

Syllabus

EXPECTED OUT-COME

PAPER I—Introduction of Books and Libraries.

SECTION I.—Nature and type of Libraries and their use:

- 1. An understanding of the meaning and concept of a Library.
- 2. An awareness about library objectives and services.
- **3.** An understanding of a library's contribution in the life of an individual and in the society at large.
- **4.** An awareness of the usefulness of a library in education and in developing reading habit.
- **5.** An understanding of the impact of machines in the improvement of services offered by a library.

SECTION 2.—Nature and types of Library materials:

An understanding of the various types of library materials and their physical forms and characteristics.

An understanding of the ways by which these materials can be protected from damage and loss. Also an understanding among students of the care with, which they are required to use the materials to save them from damage disfigurement.

SECTION 3.—History of books and Libraries:

- An understanding of the development of writing and writing materials with special reference to the Muslim World.
- 2. An understanding of history of libraries in general with special reference to Pakistan.
- 3. An awareness of the libraries and the library materials possessed by the city and the libraries in their vicinity.

SECTION 4.—Use of Library Materials:

- 1. An understanding of the purpose of the library materials in communication of knowledge.
- **2.** An appreciation of the benefit of reading and the role, books have played in influencing the society.
- **3.** An understanding of the ways by which a student can require his desired information from library materials.

SECTION 5.—Meaning and concept of information. It will acquaint the students with:

Concept of information, Meaning of information, Usefulness of information.

EVALUATION

Paper 1.—Introduction of books and Libraries.

SECTION 1.—Nature and type of Libraries and their use.

Assessment of student's knowledge about the meaning concept objectives and services of library and its role in the society, Objective tests.

SECTION 2.—Nature and types of Library materials:

- **1.** Assessment of the nature and types of library materials their physical forms and characteristic and student's understanding of effective use of these materials.
- **2.** Assessment of student's understanding of the ways and means for protection of these materials from damage and loss.
- 3. Objective tests.

SECTION 3.— History of books and Libraries:

- 1. Assessment of student's knowledge of the history of writing and writing materials.
- **2.** Assessment of student's knowledge of the history of libraries in general with special reference to Pakistan.
- **3.** Assessment of student's knowledge about the nature and usefulness of local libraries and those located in the vicinity, where visits to libraries are arranged. They may be asked to write assignments on the topic.

SECTION 4.—Use of Library Materials:

Assessment of student's knowledge of the purpose form and use of books and other library materials.

Assessment of student's knowledge of the methods by which library materials are made useable.

Objective tests.

SECTION 5.—Meaning and concept of information:

Assessment of student's about understanding and comprehension of concept, meaning and usefulness of information, Objectives Tests.

Recommended Books:

Practical: 30

Paper II.—Organization of Library Materials for use

This paper will consist of the following four section:

Classification and assignment of Subject Headings, Cataloguing of books, Use of reference books, Circulation of Library materials.

Scope

SECTION I.—Definition of classification, its importance and use in the Library.

Use of DDC (latest abridged edition restricted to Broad Numbers) and the description of Sear's Subject Heading and its use (Pages 25).

SECTION 2.—Cataloguing—its meaning, concepts, principles and its use in the library, — Brief account of the development of present code of AACR. Preparation of simple catalogue cards (main entry) according to AACR and cataloguing of Pakistani names (by Dr. Anis Khurshid). Emphasis may be given on books of subject interest of the class, (Pages 25).

SECTION 3.—Types of reference books and their definitions—practical demonstration of the reference books Bibliography, Encyclopedia, Dictionaries, Biographical sources and Almanics). Emphasis may be given to Pakistani reference books. (Pages 25).

SECTION 4.—Lending of Library materials and various records necessary for circulation—charging system used for lending of materials maintenance of other records including Accession Register in the Library (Pages 25).

PRACTICALS (PAPER II)

SECTION 1.—Classification and Assignment of Subject Headings

Study and practice of 1st, 2nd 3rd summary of DDC. Assignment of DDC numbers (Broad Numbers) of books on various subjects. Arrangement of books by classification numbers. Interpretation of classification numbers by the help of DDC. Allocation of Subject Headings to books with the help of Sear's list. Arrangement of Subject Headings.

SECTION 2.—Cataloguing.

Preparation of simple catalogue cards according to AACR 2.

SECTION 3.—Reference Sources.

Study of main features of various types of reference material. Bibliography, Encyclopedia, Dictionaries, Biographical sources and Almanics). Practice in the location of specific information with the help of relevant reference book.

Note: Passing in theory as well as practicals in both papers is complulsory.

EVALUATION

PAPER II. — Organisation of Library materials for use.

SECTION 1. – Classification and Assignments of Subject Headings

Understanding of the concept of arrangement of Books on Shelves by subject. Understanding of the signs and symbols used for the guidance of user for locating their required material. Knowledge of the DDC—its main classes sub-division from divisions. Concept of the Subject Headings and their use. Objective tests.

SECTION 2.—Cataloguing of Books.

Understanding of the purpose and functions of a catalogue. Understanding of different types and forms of catalogue. Understanding of the components of main entry card. Understanding of alphabetization. Understanding of the different forms of names with especial reference to Pakistan. Objective tests.

SECTSON 3.—Use of Reference Books.

Understanding of the nature of different types of reference books and their important features. Understanding the purpose of different reference books. Understanding of using various reference books for finding required information. Practical exercises and objective tests.

SECTION 4.—Circulation of Library Materials.

Assessment of Library materials and various records necessary for circulation. Assessment and familiarization of charging system used for lending materials and maintenance of other records including Accession Register

Practicals

Assessment of the understanding of the students in using DDC abridged edition for classification of books and the use of Sear's Subject Headings for assignment of Subject Headings. Understanding of the AACR 2 entry cards preferably for Pakistani books. Understanding of the various reference books finding required information for the class interest of the students. These assessments will be based on the practicals which a student will be required to perform during his studies.

EXPECTED OUT-COME

Paper II.—Organization of Library materials for use.

SECTION I.—Classification and assignment of Subject Headings.

Understanding of DDC classification schemes (abridged edition) by which books are classified and Sear's Subject Headings and the ways by which books are classified and arranged on shelves. Students will be able to understand classification symbols and author mark to locate their desired materials on the shelves. Students will thus be able to use the library effectively.

SECTION 2.—Cataloguing of books.

Understanding of the concept and functions of a catalogue. Understanding of the need of the bibliographic details of cook on a catalogue and their use in locating books. Will develop ability among students to search their needed material through catalogue. Will create appreciation among students for the standardization of names in a catalogue. Will help a student in preparing a list of books on his subject of nearest.

SECTION 3.—Use of Reference Books

Student will be familiar of various reference sources, find his desired information from them and will be able to use them.

SECTION 4.—Circulation Library Materials.

Understanding of library materials and various records necessary for circulation. Understanding and familiarization of charging system used for Lending materials and maintenance of other records including Accession Register.

Practicals

Students will be able to classify books broadly and prepare simple catalogue cards with assignment of Subject Headings.

Recommended Books:



COMPUTER SCIENCE AND ENTREPRENEURSHIP

Marks :75 PART-I (CLASS-XI) Time: 2:30 Hours

Theory: 75 + Practical: 25 Total: 100

Topics

Unit 1: Introduction to Software Development

- 1.1 Software Development
- 1.2 Introduction to Software Development Life Cycle (SDLC)
- 1.3 Software Development Methodologies
- 1.4 Project Planning and Management
- 1.5 Graphical Representation of Software Systems
- 1.6 Introduction to Design Patterns
- 1.7 Software Debugging and Testing
- 1.8 Software Development Tools

Unit 2: Python Programming

- 2.1 Introduction to Python Programming
- 2.2 Basic Python Syntax and Structure
- 2.3 Operators and Expressions
- 2.4 Control Structures
- 2.5 Python Modules and Built-in Data Structures
- 2.6 Built-in Data Structures
- 2.7 Modular Programming in Python
- 2.8 Object-Oriented Programming in Python
- 2.9 Advanced Python Concepts
- 2.10 Testing and Debugging in Python

Unit 3: Algorithms and Problem Solving

- 3.1 Understanding Computational Problems
- 3.2 Algorithms for Problem Solving
- 3.3 Problem Solvability and Complexity
- 3.4 Algorithm Analysis
- 3.5 Algorithm Design Techniques
- 3.6 Commonly Used Algorithms

Unit 4: Computational Structures

4.1 Primitive Computational Structres

Unit 5: Data Analytics

- 5.1 Basic Statistical Concepts
- 5.2 Data Collection and Preparation
- 5.3 Building Statistical Models
- 5.4 Introduction to Data Visualization
- 5.5 Tools for Data Visualization

Unit 6: Emerging Technologies

- 6.1 Defination and Overview of Emerging Technologies
- 6.2 Cloud Computing
- 6.3 Applications and Implications of Cloud Computing
- 6.4 Introduction to Blockchain Technology
- 6.5 Applications and Implications of Blockchain
- 6.6 Future Trends and Innovations

Unit 7: Legal and Ethical Aspects of Computing System

- 7.1 Understanding Terms of Use
- 7.2 Privacy and Security Threats
- 7.3 The Digital Divide and Its Impacts
- 7.4 Computing's Impact on Individuals and Society
- 7.5 Digital Citizenship and Ethical Considerations

Unit 8: Online Research and Digital Literacy

- 8.1 Online Research and Digital Literacy
- 8.2 Untilizing Digital Resources
- 8.3 Research Ethics

8.4 Understanding Intellectual Property

Unit 9: Entrepreneurship in Digital Age

- 9.1 Design Thinking and Business Solutions
- 9.2 Creating a Business Plan
- 9.3 Collecting Market Insights
- 9.4 Developing Effective Marketing and Sales Strategies
- 9.5 Financial Concepts for Business
- 9.6 Communication and Storytelling Skills
- 9.7 Collaboration and Iteration
- 9.8 Innovation and Creativity

COMPUTER SCIENCE AND ENTREPRENEURSHIP Part - I

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PUNJAB EDUCATION, CURRICULUM, TRAINING AND ASSESMENT AUTHORITY

Marks :75 (CLASS-XII) PART-II Time: 2:30 Hours

Theory: 75 + Practical : 25 Total:100

Topics Weightage % age

Database Basics 40

Introduction to Database Concepts, Database concepts, Terminology and Usage. Database Design and Table Creation, Formatting a Table, Relationships, Locating and Replacing information, Creating Simple Queries, Creating Calculated Fields. Introducing Forms, Formatting and Creating Reports

Programming using C 60 OR

Programming using VISUAL BASIC

Option I: Outline for C

Characteristics of High Level Porgramming Languages, Basic Structure of Program. Creating, Editing and Saving a Source Program, Compiling, Linking and Executing A Program, Variables: character, integer, long integer, floating point, double precision, Input/Output, printf, scanf, format Specifier, Field Width Specifier. Operators: Arithmetic, Relational, Logical Operators, Comments, Loops: for loop, while loop, dowhile, Decision: if Statement, if-else Statement, else-if, switch Statement, Conditional Operator, Importance of Functions, Simple Functions, Function Passing Arguments and Returning Values, Open File, Read, Write, Append and Close File

OF

Option II: Outline for Visual Basic

I/O Statements, Control Statements, Working with Forms Variables and Arrays, Functions and Procedures, Basic ActiveX Controls, Drawing with Visual Basic, Advanced ActiveX Controls, Database Programming with Visual Basic, The Active Data Objects, Scripting Objects, Visual Basic and the Web

LIST OF PRACTICALS FOR CLASS-XII (PART - II)

1. Perform the following tasks and write down the stepwise procedure.

Create a new blank database with file name Employees.

Create a new table in Design view and add fields to the table as follows:

Make the Social Security No field primary key and save the table as Employees.

Open the table in Datasheet view and add five records in the table.

2. Perform the following tasks and write down the stepwise procedure.

Create the table and add the records.

Open Employees table and change Field Size property of Social Security No to 11.

Change Decimal places property of Salary field to 0 (Zero).

Choose Short Date Form Format property box of Birthdate field.

Add a caption to each field as shown below and save changes:

Set Department field to require.

3. Perform the following tasks and write down the stepwise procedure.

Create the table and add the records.

Apply validation rule on social security that it must not be zero. It should display 'No valid No' if the user enters wrong data.

Hide last name. First name. Social security no and Department.

Delete record having DOB13-Jan-83.

Rename Employees table to 'Workers Data'.

Freeze the salary column.

Find record having name Raza & Replace it with Talha.

Sort Department column in descending order.

4. Perform the following tasks and write down the stepwise procedure.

Create a table named 'Instructor' (Id, Name, City, and Phone).

Add Input mask property to Phone field so it takes numbers in (+092) 41 733474 formats.

Add five records in the table.

5. Perform the following tasks and write down the stepwise procedure.

Create a table called Workshop Registration

Insert ten records in the table.

Create a query that shows First Name, Last Name and Workshop for workshop participants.

6. Perform the following tasks and write down the stepwise procedure.

Create a table Employee with the following structure (EmpNo as primary key).

Add given records in table.

7. Perform the following tasks and write down the stepwise procedure.

Create a table called Client

Enter the following records in the table:

Create query in design view to display the entire salesmen who are located in FSD.

Create query in design view to find out the salesman who stays in a city whose second letter is 'H'.

8. Perform the following tasks and write down the stepwise procedure.

Create a table Employee

Insert five records in table

Create a guery to display calculated field of total salary using expression builder:

Total Salary = Salary + Bonus

Create a report using auto report.

9. Perform the following tasks and write down the stepwise procedure.

Create the tables in Access

Employee (Empld, EmpName, Job Sal DeptNo)

Department (DeptNo, Dname, Loc)

Develop relationship between both the tables.

Insert the following records in Department table

Insert the following records in Employee table

Write a query to display the minimum salary earned by clerk.

Write a query to calculate the average salary of all employees.

Write a query to list the employee names and salary increased by 15%.

10. Perform the following tasks and write down the stepwise procedure.

Create a table called student

Make sure that AdmDate is less than or equal to current date.

Create a columnar form to input data to insert five records.

Create a report using the Report wizard.

- 11. Write a program that inputs Name, Age and Address from the user and displays it on the Screen.
- **12.** Write a program that inputs Base and Height from the user and Calculates area of a triangle by using the formula Area / ½ *BASE* height.
- 13. Write a program that inputs temperature from the user in Celsius and Converts it into Fahrenheit using the formula $F = \frac{9}{5} *C + 32$.
- **14.** Write a program that inputs 4 number and calculates the sum, average and product of all the numbers.
- **15.** Write a program that inputs radius from the user and calculates area and circumference of circle using formula area = $= \pi R^2$ and Circumference $= 2\pi R$.
- **16.** Write a program that inputs a three digits number from the user and displays it in reverse order. For example, if the user enter 123, it displays 321.
- **17.** Write a program that inputs miles from the user and converts miles into kilometers. One mile is equal to 1.609 kilometer.
- **18.** Write a program that finds area of triangle when three sides A, B and C of the triangle are given. It inputs value of a A, B and C. Formula of the area of Triangle is AREA = $\sqrt{s(s-a)}(s-b)(s-c)$ WHERES = (a+b+c)/2.
- 19. Write a program that inputs temperature in Fahrenheit and converts it into Celsius.
- 20. Write a program that inputs a number and finds whether it is even or odd using If-Else structure.
- **21.** Write a program that inputs a number from user and determines whether it is positive, negative or zero.
- 22. Write a program that inputs test score of a student and displays his grade on the following criteria.
- 23. Write a program that inputs three numbers and displays the smallest number by using nested if condition.
- 24. Write a program that inputs a character and displays whether it is vowel or consonant using switch statement.
- 25. Write a program that displays counting from 1 to 10 using while loop.
- **26.** Write a program that displays first 5 numbers and their sum using while loop.
- 27. Write a program that displays first five numbers with their squares using while loop.
- **28.** Write a program that inputs two number and exchanges their value. The program should display the value sof variables of before and after exchanges.
- 29. Write a program that inputs a number from the user and display a table of that number using while loop.
- **30.** Write a program that inputs a number from the user and displays the factorial of that number using while loop.
- **31.** Write a program that displays Sum of the following series using while loop.1 + 1/2 + 1/4 + 1/6 + ... + 1/100.
- 32. Write a program that displays sum of the following series using while loop.1 + 1/3 + 1/5 + 1/7 + ... + 1/99.

- **33.** Write a program that inputs starting and ending point from the user and displays all odd numbers in the given range using do-while loop.
- **34.** Write a program that inputs two numbers from user and displays the result of first number raise to the power of second number using do while loop.
- **35.** Write a program that produces the following output.
- **36.** Write a program to display alphabets from A to Z using for loop.
- **37.** Write a program that inputs a number from the user and displays the factorial of that number using do while loop.
- **38.** Write a program that displays product of all odd numbers from 1 to 10 using for loop.
- **39.** Write a program that inputs a number from the user and displays the factorial of that number using for loop.
- **40.** Write a program that inputs table number and length of table and then displays the table using for loop.
- **41.** Write a program that inputs a positive integer number from the keyboard and displays it's in reverse number. For example, the reverse of 345 is 543.
- **42.** Write a program to calculate and display the sum of following series using for loop $x + x^2 + x^3 \dots x^n$.
- **43.** Write a program that displays the following shape using while loop.
- **44.** Write a program to calculate and display the sum of the following series using for loop: 1/2 + 2/3 + 3/4 + ... + 99/100.
- 45. Write a program that inputs five values and displays their squares and cubes using loop.
- **46.** Write a program that displays the following shape using nested loops. The outer loop should be for loop and inner loop should be while loop.
- **47.** Write a program that displays the following block using nested for loop.
- **48.** Write a program that displays the following shape using nested for loops.
- **49.** Write a program that displays the following shape using nested for loops.
- **50.** Write a program that displays the following shape using nested for loops.
- 51. Write a program that inputs an integer and displays whether it is a prime number or not.
- **52.** Write a program that inputs two numbers in main function and passes these numbers to a function. The function displays the maximum number.
- **53.** Write a program that inputs two numbers in main function and passes the number to a function. The function displays the factorial of that number.
- **54.** Write a program that inputs a number in main function and passes the number to a function. The function displays the factorial of that number.
- **55.** Write a program that inputs two numbers in main function and passes them to a function. The function displays first number raised to the power of second number.
- **56.** Write a program that inputs two integers and then passes them to four functions add (), subtract (), multiply () and divide () one by one.
- **57.** Write a program that finds sum of the squares of integers from 1 to n. Where n is a positive value entered by the user (i.e. sum = 12 + 22 + 33 + + n2).
- **58.** Write a program to calculate and display the sum of the following series using for loop: $1 + 2x + 3x^2 + 4x^3 + 5x^4$.
- **59.** Write a program that displays the following output using nested for loop.
- **60.** Write a program that displays the following shape using nested for loop.
- 61. Viva voce

Computer Science Part – I Computer Science Part – II

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Mr. Asif Ali

CIVICS

Marks: 100 PART-I (Class- XI) Time: 3.00 Hours

CHAPTER-I CIVICS - WHAT IS IT?

Concepts Contents

Introduction Definition

Relationship with other social Nature, Significance, Utility, Relationship of civics with sciences Political Science, History, Economics, Sociology & Ethics

CHAPTER-II THE BASIC CONCERN

Concepts Contents

Civics and human needs
Individual
The harmonic relationship between the members of society e.g. childhood. Socialization, gender, religion.

Family Individual as a member of state
Community Family a basic social institution
Society Nature & Significance of community

Nation and Nationality Society

Muslim Ummah Nation and Nationality & Muslim Ummah

CHAPTER-III STATE

Concepts Contents

Introduction Definition

Distinctive nature of state. Elements, Origin, Distinction of state from:

Islamic background. Government, Society, Nation, Conceptual basis of state welfare State. Islam, Welfare State and equity issues with reference

to gender, religion, area & social classes.

CHAPTER-IV SOVEREIGNTY

Concepts Contents

Understanding Sovereignty. Definition

Islamic Background Salient features

Forms Manifestation of Sovereignty

Theories of Sovereignty

Basic principles of Sovereignty in Islam.

CHAPTER-V GOVERNMENT

Concepts Contents

Introduction Meaning

Classification Democracy and Dictatorship

Organs Parliamentary
Good Governance Presidential
Federal & Unitary

Legislature Executive Judiciary Definition

The role of Good Governance in Islamic Democratic

Government

Obstacles and remedies Accountability

CHAPTER-VI LAW AND RELATED MATTERS

Concepts Contents

Understanding Law Meaning Islamic Law Sources Liberty and Equity Kinds Meaning

Meaning Sources Objectives

Meaning of liberty & equity

Relationship between Law, Liberty and Equity

CHAPTER- VII CITIZEN AND CITIZENSHIP

Concepts Contents

Introduction Definition

Qualities of good citizenship

Human Rights and How citizenship acquired and lost?

Responsibilities Definition

Rights and responsibilities of a citizen in Islamic

perspective

UN Declaration of Human Rights

CHAPTER-VIII CONSTITUTION

Concepts **Contents**

Introduction Definition of constitution Kinds of constitutions

Characteristics of a good constitution

CHAPTER-IX POLITICAL DYNAIMICS

Contents Concepts

Public Opinion Meaning **Elections and Electorate** Formulation **Political Parties** Agencies

Devolution of Power Plan Conditions for sound public opinion

Meaning

Significance of Elections in a democratic state

Islamic Concept

Direct and indirect Elections

Referendum Plebiscite Introduction Objectives Role

PART-II (Class- XII) Marks: 100 Time: 3.00 Hours

CHAPTER-X PAKISTAN MOVEMENT

Concepts Contents

Ideology of Pakistan Meaning of Ideology

Significance of Ideology of Pakistan Important Events of Pakistan

Ali Ghar Movement Movement

Back ground and formation of All India Muslim League-

1906

Lucknow Pact 1916 Khilafat Movement 1919

Act of 1935

Pakistan Resolution 1940

3rd June plan

CHAPTER-XI CONSTITUTIONAL DEVELOPMENT 1947-1973

Concepts Contents

Introduction to constitutional

development from 1947-1962

The constitution of the Islamic

Republic of Pakistan 1973

A brief historical outlook on constitutional development

from 1947-56

Salient featues of constitution of 1956 and 1962 Separation of East Pakistan in 1971 roots and causes

Salient features and Islamic Provisions of 1973 constitution

Parliament

President, Prime Minister Provincial Autonomy

Supreme Court and High Courts

Islamic Provision

CHAPTER-XII SOCIAL SERVICES IN PAKISTAN

Concepts Contents

Social Services with specific Structure and Facilities

reference to Health & Education. Problems

CHAPTER-XIII SOCIAL ORDER IN PAKISTAN

Concepts Contents

Introduction Meaning

Implementation Concerns Significance

Requisites of Proper social order fulfilling the principle of liberty, justice, equity and authority in Islamic perspective. Prevailing situation of social order in Pakistan and role of Islamic Values for maintaining social order and justice in

welfare state. Role of Police in Pakistan

CHAPTER-XIV NATIONAL INTEGRATION AND COHESION

ConceptsContentsIntroductionMeaningProblems and remediesImportance

National Integration and cohesion in an Islamic State Problems in the way to national integration and cohesion in Pakistan remedial measures keeping in view the

ideological basis of Pakistan.

CHAPTER-XV PAKISTAN AND THE WORLD

Concepts Contents

Pakistan's Foreign Policy
Pakistan and U.N

Determinant of Pakistan's foreign policy
The main features of Pakistan's foreign policy
Pakistan and U.N

Dekistan's foreign relations with its paighbours

Pakistan's foreign relations with its neighbours

Role of Pakistan in O.I.C and E.C.O

U.N and its organs

U.N role in Solving international Problem i.e. Kashmir.

Afghanistan. Palestine.

Recommended Book: Civics (Part-I)

Authors: 1. Prof. Aftab Ahmad Dar 2. Prof. Hallema Naz Afridi

Publisher: Qari Publisher, Lahore.

Recommended Book: Civics (Part-II)

Authors: 1. Prof. Rehman-ul-Allah Ch. 2. Prof. Muhammad Farooq Malik **Publisher:** Maktaba Saeedya, Lahore

♦---♦

COMMERCIAL PRACTICE

(There will be two papers of 100 marks each) (Outlines of tests)

PART-I (CLASS XI)	100 Marks
Accountancy OR Business Correspondence.	
PART-II (CLASS XII)	100 Marks
Typewriting and Shorthand. (English or Urdu)	

Syllabus.

Elective subject which may be opted as a single subject by any student who is not taking the full Commerce Group of subjects. The subject may be taken in two parts as indicated below:

Marks : 100 PART I (CLASS-XI) Time: 3:00 Hours

ACCOUNTANCY (Option i)

- Introduction: Book-keeping and business transaction -definition, objects and advantages of book-keeping – nature of business transactions.
- 2. Principles of double entry: Accounts and their classification-rules for debit and credit (Dr. & Cr), Books of account – Journal and Ledger.
- Journals: Simple cash book, double column cash book, triple column cash Book, petty 3. cash book kept on the imprest system-purchases, sales and return books - journal proper or general journal.
- **Ledger:** Its nature and importance-posting, folioing, cast and carry forward-balancing.
- **Trial Balance:** Definition, purpose and preparation.
- Adjustments: Accrued and outstanding income and expenses, closing stock depreciation and reserves.
- 7. Financial Statements: Trading, Profit and Loss Account Balance sheet.
- Miscellaneous: Capital and Revenue-expenditure, income, payments, receipts, profit or loss-allocation, Error and their correction-book-keeping and trial balance errorlocalization of errors-suspense account-correction of errors.

Recommended Books:

Principles of Accountanecy by M.A. Ghani, (M/S. Salman Publishing Company, Lahore).

Marks : 100 PART I (CLASS-XI) Time: 3:00 Hours

USINESS CORRESPONDENCE (Option ii)

- Commercial correspondence. Essentials of a good business, letter-different parts and arrangement of a business letter.
- 2. Kinds of business letters: Application for a post and letter of appointment, Enquiry and its reply, Orders and indents, Reference, Advice, Complaints and claims, Circulars, Collection and dunning, Replies to advertisements regarding agencies.
- Official and demi-official correspondence: Memorandum, communication with 3. subordinates.
- 4. Postal information. Preparation of letters for the post-enclosures-writing of addresses.
- Sorting, filling, docketing, indexing and endorsine business letters. 5.
- Noting, drafting and compilation of letters from brief notes.

Recommended Books:

1- مخزن تجارت از محمد حسین
 2- اصول تجارت از بخش بختبار علی

Marks: 100 PART II (Option I) Time: 3 Hours

(English Shorthand and Typewriting)

1. Shorthand: The standard to be attained will such as a to satisfy tests of the following nature:

Speed Test: A passage or a commercial letter about 300 words dictated at a speed of 60 words per minute with a maximum permissible error of 2%

Note: Pitman or Gregg systems will be accepted.

Typewriting. The standard to be attained should be such as to enable the student to take the following tests.

Typing from manuscript with corrections, insertions and deletions.

Accuracy Test: Typing from a printed sheet containing about 350 words at a minimum speed of 35 words per minute on international standards.

Tabulation: Typing out a tabulated statement. Lines are to be drawn in the type-writer.

Note: In the accuracy test one mark will be deducted for every two mistakes.

Recommended Books:

New Method Typewriting Instructor (by Muhammad Tufail Nasim). Modern Course in Touch Typewriting (by Mr. Muhammad Mohsin). Manual of typerwriting (by A.M. Hashmi and H.A. Syed).

Marks: 100 PART II (Option ii) Time: 3 Hours

(Urdu Shorthand and Typewriting)

1. Shorthand: The standard to be attained will be such as a to satisfy tests of the following nature:

Speed Test: A passage or a commercial letter of about 420 words dictated at a speed of 70 words per minute with a maximum permissible error of 3%

Note: Pitman or Gregg systems will be accepted.

2. Typewriting: The standard to be attained should be such as to enable the student to take the following tests.

Speed Tests Typing from printed sheet containing 250 words at a minimum speed of 25 words per minute.

Tabulation: Typing out an easy tabulated statement. Lines are to be drawn on the type-writer. The statement will comprise no more than five lines.

Typing an official or a business letter (In duplicate)

Note:

Shorthand Time: 1 ½ hour Typewriting Time: 1 ½ hour (Speed Test: 10 minutes)

Both Shorthand and Typewriting will carry 50 marks each. (Speed test will carry 20 marks, while the other two Type-writing questions will carry 15 marks each).

Recommended Books:

1-Urdu Shorthand Instructor (Pitman system) by Muhammad Tufail Nasim.

2- Urdu Typewriting Instructor by Mr. Zafar Igbal Zafar.





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