

MODEL PAPER “COMPUTER SCIENCE” PRACTICAL

Intermediate Composite Examination, 2008 & Onward

SECTION –I (Part-I)

Marks: 50

Time 3:00 Hours

- Note:
- (i) Perform the practical of the following Question on the computer.
 - (ii) Write down the stepwise procedure on the answer book provided.
 - (iii) The procedure carries 5 marks for Q. No 1 & 2.

Q.No.1. MS-WORD

Prepare the following document in the same format and save it against your Roll No. 6

MY DOCUMENTS

My Documents is a desktop folder that provides you with a convenient place to store documents, graphics, or other files that you want to access quickly. On your desktop, it is represented by an icon of a folder with a sheet of paper in it. Even through My Documents is the default storage location

for several programs, your documents are not stored in the same My Documents folder as another user's if there are multiple user accounts on the Computer. Each user has a My Documents folder located in the Documents and Settings/username folder.

you can change the location of your My Documents folder by right-clicking **My Documents** on the desktop, and then clicking **Properties**. In the **My Documents Properties** dialog box, type or browse (click **Find Target**) for the path and folder name where you want to store your My Documents folder.

Perform the following Operations with the documents:

1. Change the font style of paragraph 1 to the same font style as of paragraph 2.
2. Apply “Drop Cap” Option to first paragraph.
3. Apply Text effect on Heading.

OR

Prepare the following document in the same format and save it against your Roll No.

Name (in Capital letters):

Father's Name:

| <i>Sr. No</i> | <i>Fee Description</i> | <i>Amount</i> | <i>Refundable</i> | <i>Non-Refundable</i> |
|---------------|------------------------|---------------|-------------------|-----------------------|
| 1. | Admission Fee | 10,000 | X | 10,000 |
| 2. | Security | 2000 | √ | |
| 3. | Registration Fee | 500 | X | 500 |
| 4. | Computer Fee | 200 | X | |

Course: _____ ROLL NO. _____

Perform the following operations with the document:

1. Insert 5th & 6th new rows with description as “Fine” and “Miscellaneous” after 4th Row.
2. Change the column heading to upper case.
3. Enter sample data for 5th & 6th rows with appropriate amount.

Q.No.2.MS- EXCEL

Prepare the following work sheet and save against your Exam. Roll No. Perform the following:

6

1. Enter the sample data in column 1, 2, 3 for at least 4 consumers.
2. Compute the Units as Units consumed = Current Units – Previous Units.
3. Compute Electricity Charges according to the following Rates:
 - i. 001 – 100 Units - Rs.2.00 per Unit
 - ii. Above 100 Units - Rs.3.00 per Unit
4. Compute the ‘ Surcharge’ as 15% of ‘ Electricity Charges’.
5. Compute the ‘Amount Due’ as

Amount Due= Electricity Charges + Surcharge.

**Electricity Bill
Bill for connection Up to 40 KW Load.**

| Name | Previous Units | Current Units | Units Consumed | Electricity Charges | Surcharge | Amount Due |
|---------------|----------------|---------------|----------------|---------------------|-----------|------------|
| Khawaja Ajmal | 459582 | 459636 | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

OR

Give the temperature data, construct a sheet as shown below to convert it into F⁰ by the formula $F^0 = 9/5 \text{ }^0\text{C} + 32$

| Day | Max. temperature in C ⁰ | Max. temperature in F ⁰ |
|----------|------------------------------------|------------------------------------|
| 1/3/2002 | 30 | |
| 1/4/2002 | 33 | |
| 1/5/2002 | | |
| 6/6/2002 | | |
| 7/8/2002 | | |

Perform the following tasks.

- (i) Enter data for 10 days.
- (ii) Format the day column as shown above.

SECTION –II (Part-II)

Note: Attempt either from C language or in Visual Basic:

Q.No.3. Write a program in C language.

**Write a program to calculate volume and area of the sphere using formula:
Surface Area= $4 \pi r^2$**

12

Volume of Sphere = $4/3 \pi r^3$ when $\pi = 3.14$

OR

Write a program that reads and prints the data using Escape Sequence.(Asking the name, age, height and gender of the student using scanf and printf statements.)

Q.No.4. Compile, Debug and Execute the program selected in Question No.3

10

Q.No.3. Write a program in Visual Basic

Develop a project to **calculate the sum of first ten even numbers** using the **DO- while** **12**
Loop and print the result in the message box.

OR

Create a form which generates series of numbers within
Given limits using DO WHILE loop.

Q.No.4. Compile, Debug and Execute the program selected in **Question No.3** **10**

Q.No.5. Viva Voce **3+ 3 = 6**

MODEL PAPER “STATISTICS” PRACTICAL

Intermediate Composite Examination, 2008 & Onward

Marks: 30

Time 3:00 Hours

Note: Attempt two Practicals. Select one Practical from each section.
Five marks are reserved for Practical Note Book and five for Viva Voce.

SECTION -I

Q.No.1. The following data relates to the marks of students in the subject of Statistics in a test. **10**

40,51,58,46,39,76,43,25,39,30,60,18,53,39,0,22,42,50,61,26,13,44,40,26,62,
33,34,27,63,55,8,28,20,13,4,45,44,36,35,27,26,16,18,33,0,26,64,66,26,15,13,
57,0,61,34,20,8,16,37,83,14,38,26,26,33,53,26,27,40,43,36,39,37,36,42,54,48,
1,66,41,29,32,57,70,65,8,17,35,46,47,63,20,13,6,17,41,59,72,5,33.

- (i) Make a frequency distribution of marks taking the class interval of 10 and using inclusive grouping
(ii) Find Mean, Median and Q1, Q3.

Q.No.2. Compute the 1st 4 moments about the variable U where $U = \frac{x-42.5}{5}$ and then find the 1st 4 moments about arithmetic mean. Find β_1 and β_2 and explain it. Also find the Co-efficient of variation. **10**

| | 15-20 | 20-25 | 25-30 | 30-35 | 35-40 | 40-45 | 45-50 | 50-55 | 55-60 | 60-65 | 65-70 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 7 | 11 | 40 | 60 | 75 | 88 | 70 | 52 | 33 | 21 | 10 |

SECTION -II

Q.No.3. The upper and lower quartiles in a normal distribution are 163.49 and 186.51 respectively. Find the mean and variance of distribution. **10**
Also find: (a) $P(x > 180)$ (b) $(x < 120)$ (c) $P(160 < x < 170)$ (d) Two values between which 95% of the values lie. (e) Quartile deviation and mean deviation.

Q.No.4. A random sample of 20 second year students of General Science group was selected from all the students of a college. Their marks in math and stats in the annual examinations are given below:- **10**

Marks in math. X 50,55,58,60,48,46,45,35,65,60,60,52,44,53,54,62,70,42,58,75
Marks in Stats. Y 52,54,55,60,50,38,40,46,66,68,62,47,50,41,39,46,65,45,55,70

- (i) Find the two equation of regression lines.
(ii) Compute the Co-efficient of correlation by formula method and verify that

$$r = \sqrt{b_{xy} b_{yx}}$$

SYLLABI

PAPER PRACTICAL

30 Marks

Practical are to be conducted on various Topics as specified below.

Section -I

- (i) Formation of frequency distribution
- (ii) Measures of central tendency, Measures of dispersion, skewness and Moments. Kurtosis
- (iii) Index No.
- (iv) Binomial and Hypergeometric probability distribution.

Section II

- (i) Normal dist, sampling,
- (ii) Statistical inference
- (iii) Correlation and association
- (iv) Analysis of Time Series

MARKING KEY OF STATISTICS PRACTICAL

| | |
|--|---|
| Q.No.1. Freq.dist. A.M, Md., Q1.Q3 | 2+2+2+2+2 |
| Q.No.2. 1 st 4 amounts about U= | 1+1+1+1 |
| 1 st 4 amounts about Mean = | 1+1+1+1 |
| β_1 , β_2 and explanation | $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$ |
| C.V . | $\frac{1}{2}$ |
| Q.No.3. Mean and variance = | 1.5 , 1.5 |
| a,b,c,d,e,f | 1+1+1,2,1,1 |
| Q.No.4. Regression lines | 3+3 |
| Correlation Co-efficient = | 2 |
| Verification = | 2 |