

Model Paper Physics Objective

Intermediate Part – II (12th Class) Examination Session 2015-2017 and onward

Total marks: 17

Time Allowed: 20 minutes

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

1.	A Potential barrier of 0.7 volt exist across p-n junction made from : (A) Silicon (B) Germanium (C) Indium (D) Gallium
2.	In 1905 the special theory of relativity was proposed by : (A) well (B) de-Broglie (C) Bohr (D) Einstein
3.	The torque on Current Carrying Coil is : (A) $\tau = NIAB \cos\alpha$ (B) $\tau = BIL \sin\alpha$ (C) $\tau = NIAB \sin\alpha$ (D) $\tau = BIL \cos\alpha$
4.	Which of the following series lies in the ultraviolet region : (A) Lyman series (B) Balmer series (C) Pfund series (D) Bracket series
5.	The highest value reached by voltage or current in one cycle is called : (A) Peak to peak value (B) Peak value (C) Instantaneous value (D) Root mean square value
6.	The number of protons in an atom are always equal to number of : (A) Electrons (B) Neutrons (C) Positron (D) Mesons
7.	Electric current produces magnetic field was suggested by : (A) Faraday (B) Oersted (C) Henry (D) Lenz
8.	The electric field created by positive charge is : (A) Radially outward (B) Radially inward (C) Circular (D) Zero
9.	Conversion of A.C into D.C. is called : (A) Modulation (B) Amplification (C) Oscillation (D) Rectification
10.	Which one of the following requires a material medium for their propagation : (A) Heat waves (B) X-rays (C) Sound waves (D) Ultraviolet rays
11.	In pure resistive A.C. circuit, instantaneous value of voltage or current : (A) Current lags behind voltage. (B) Current leads voltage. (C) Both are in phase. (D) Voltage leads current.
12.	Tolerance for silver band is : (A) $\pm 10\%$ (B) $\pm 15\%$ (C) $\pm 20\%$ (D) $\pm 25\%$
13.	The direction of induced current is always so as to oppose the change which causes the current is: (A) Faraday's law (B) Lenz's law (C) Ohm's law (D) Kirchoff's 1 st rule
14.	The anode in the CRO is to : (A) Control no. of waves. (B) Control brightness of spot formed (C) Accelerate and focus the beam (D) At negative potential with respect to cathode
15.	The ratio of applied stress to volumetric strain is called : (A) Young's modulus (B) Shear modulus (C) Bulk modulus (D) Tensile modulus
16.	The radius of atom is of the order of : (A) 10^{10} m (B) 10^{-10} m (C) 10^{-14} m (D) 10^{14} m
17.	Presence of dielectric always : (A) Increases the electrostatic force (B) Reduces the electrostatic force (C) Does not affect the electrostatic force (D) Doubles the electrostatic force