

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which of the modulus of elasticity is involved in compressing a rod to decrease its length ?	A. Young's modulus B. Bulk modulus C. Modulus of elasticity D. None of these
2	Conductors have conductivities of order:	A. $10^{3}(\Omega m)^{-1}$ B. $10^{7}(\Omega m)^{-1}$ C. $10^{7}\Omega m^{-1}$ D. $10^{-6}\Omega$
3	Semiconductor diodes are called:	A. Ohmic B. non ohmic C. Both a & b D. none of above
4	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
5	Seven resistances are connected as shown in the figures . The equivalent resistance between A and B is:	A. 3Ω B. 4Ω C. 4.5Ω D. 5Ω
6	Terminal potential difference is greater than emf of the cell when	A. Circuit is open B. Circuit is closed C. small battery is charged by bigger battery D. None of these
7	The sum of electric and magnetic force is called.	A. Maxwell force B. Lorentz force C. Newton's force D. Centripetal force
8	The half life of radioactive elements depends upon	A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure
9	The acceleration of an electron of mass m and charge e, moving with uniform speed v at right angles to a magnetic field of flux density B, is given by	D. $Bevm$
10	The solid with definite M.L are called:	A. Crystalline B. Amorphous C. Polymeric D. None of above
11	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 1st rule
12	The brightness of the spot of CRO screen is controlled by.	A. Anode B. Cathode C. Grid D. Deflecting plates
13	Step up transfer has a transformation ratio of 3:2. What is the voltage in secondary , if voltage in primary is 30 V?	A. 45 V B. 15 V C. 90 V D. 300 V
14	The SI unit of Mutual inductance is:	A. $V A^{-1} S^{-1}$ B. $V A S^{-1}$ C. $V S A^{-1}$ D. $A S V^{-1}$
15	Cosmic rays consist of	A. Protons B. High energy photons C. Positron

D. All of above

16 The net charge on a capacitor magnitude of charge of charge

- A. Infinity
- B. $2q$
- C. $Q/2$
- D. Zero

17 The "toner" of photocopier is given:

- A. Positive charge
- B. Negative charge
- C. Remains neutral
- D. All of above

18 Minimum energy needed to escape an electron from metal surface is called:

- A. Threshold energy
- B. Threshold frequency
- C. Work function
- D. Work ability

19 In A.C. generator , when plane of coil is perpendicular to magnetic field, then output of generator is.

- A. $N\omega AB$
- B. $2\pi f$
- C. Maximum
- D. Zero

20 Selenium is

- A. Insulator in dark
- B. Insulator in light
- C. Conductor in dark
- D. Semi conductor in dark