

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
2	The substance which atom cooperates with each other in such a way so as to exhibit a strong magnetic field is called.	A. Ferromagnetic B. Paramagnetic C. Diamagnetic D. Non magnetic
3	Recently a complex crystalline structure known as yttrium barium copper oxide ( $\text{Yb}_2\text{Cu}_3\text{O}_3$ ) have reported to become super conductor at	A. 163 K B. 169 K C. 200 K D. 100 K
4	The mass of an object will be doubled at speed.	A. $2.6 \times 10^{8}$ m/s B. $1.6 \times 10^{8}$ m/s C. $2.6 \times 10^{7}$ m/s D. $3.6 \times 10^{7}$ m/s
5	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
6	The magnetic field is uniform and stronger	A. Outside the solenoid B. Inside the solenoid C. At the central part of the solenoid D. None of these
7	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
8	K $\alpha$ -Xrays are produced due to transition of electron from.	A. K to L shell B. L to K shell C. M to K shell D. M to L shell
9	A solid in which there is not regular arrangement of molecules is called.	A. Glassy solid B. Amorphous solid C. Crystalline solid D. Both a and b
10	The term invertor is used for.	A. NOR gate B. XNOR gate C. NAND gate D. NOT gate
11	The mass spectrum of naturally occurring neon, showing	A. 1 isotope B. 2 isotope C. 3 isotope D. 4 isotope
12	When a coil is moved in a uniform magnetic field, an induced emf is produced due of change in	A. Flux density B. Electric flux C. Magnetic flux D. Magnetic field strength
13	How many times, the alpha particle is more massive than electrons.	A. 6332 B. 7332 C. 8332 D. 9332
14	The SI unit of magnetic induction 'B' Tesla is equal to.	A. $\text{NA}^{-1}\text{m}^{-1}$ B. $\text{Nm}^{-1}$ C. $\text{NA}^{-1} \text{m}$ D. $\text{Na}2\text{m}^{-1}$
15	Max planck received noble prize in:	A. 1927 B. 1932 C. 1918 D. 1914

16	Which type of impurity is to be added to a pure semi conductor crystal to provide holes.	A. Monovalent B. Trivalent C. Tetravalent D. Pentavalent
17	Maximum Compton shift is observed at.	A. $30^{\circ}$ B. $90^{\circ}$ C. $45^{\circ}$ D. $180^{\circ}$
18	Which of the following is one of the spectral series of atomic hydrogen?	A. Brockett series B. Balmer series C. P fund series D. All of above
19	A.C is converted into D.C by	A. Dynamo B. Rectifier C. Motor D. Transformer
20	The mass spectrum of naturally occurring neon shows the most abundant isotope has atomic mass.	A. 19 B. 20 C. 21 D. 22