

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	In carbon resistors, then value of Blue colour is.	A. 6 B. 7 C. 8 D. 9
2	If F_1 and F_2 are the magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. $F_1 = F_2$ B. $F_1 > F_2$ C. $F_1 < F_2$ D. $F_1 = 4F_2$
3	A positive charge is moving towards an observer, The direction of magnetic induction will be.	A. Toward right B. Anti clockwise C. Clockwise D. Toward left
4	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz D. 70 Hz
5	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
6	Closeness of the electric field lines is the measure of.	A. Direction of field B. Strength of field C. Potential difference D. Uniformity of field
7	The charge number of Ba is.	A. 197 B. 141 C. 56 D. 85
8	In Millikan's oil drop experiment a charged particle of mass 'm' is in equilibrium in an oil will	A. Zero B. $g/2$ C. g D. $2g$
9	The idea of laser device was first introduced by C.H. Townes and Arthur Schawlow is	A. 1972 B. 1965 C. 1958 D. 1913
10	The reactance of inductor depends upon	A. L D. All of the above
11	An alternating quantity (voltage or current) is completely known if we know its:	A. Maximum B. Frequency and phase C. Effective value D. Both (a) & (b)
12	The existence of positron was discovered in:	A. 1929 B. 1928 C. 1931 D. 1933
13	Kirchhoff's first rule is the manifestation of the law of conservation of.	A. Mass B. Charge C. Energy D. Momentum
14	Earth orbital speed is.	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
15	If both the magnitude of charges and distance between them is doubled, then Coulomb's force will be.	A. Doubled B. Half C. Remain same D. One fourth
		A. $900 \times 10^9 \text{ N}$

16	An ordinary glass gradually softens into a paste like state before it becomes a very viscous liquid which is possible at	B. 600°C C. 800°C D. 1000°C
17	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m ²
18	A certain wire has a resistance R, the resistivity of an other wire of an identical material with the first, except for twice its diameter is.	A. 1/4 R B. 4R C. 2R D. Same as R
19	Subatomic particles are divided into groups.	A. Photon B. Leptons C. Hadrons D. All of these
20	Those materials whose resistivity becomes zero at certain temperature is called:	A. Semiconductor B. Super conductor C. Conductor D. Insulator