

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The P.D develop in case of germanium is:	A. 0.3 B. 0.7 C. 0.5 D. 0.9
2	$X_C =$	A. $1/2\pi fc$ B. $2\pi fc$ C. $2\pi/fc$ D. $fc/2\pi$
3	When 10 V are applied to an A.C circuit, the current flowing in it is 100 mA. Its impedance is.	A. 100 Ohm B. 10 Ohm C. 1000 Ohm D. 1 Ohm
4	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
5	The unit of permeability of free space is:	A. T.m/A B. $T.m^{2</sup>/A$ C. $T.m/A^{2</sup>}$ D. None of these
6	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
7	The SI unit of Mutual inductance is:	A. $VA^{⁻¹S^{⁻¹}$ B. $VAS^{⁻¹}$ C. $VSA^{⁻¹}$ D. $ASV^{⁻¹}$
8	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
9	Two up quarks and one down quarks makes a	A. Proton B. Neutron C. Photon D. Meson
10	The north pole of a magnet is brought near a metallic ring. The direction of induced current in the ring will be:	A. Anticlockwise B. Clockwise C. First Clockwise and then Anticlockwise D. First anticlockwise and then Clockwise
11	Heat energy is converted into electrical energy.	A. Solar cells B. thermocouples C. Electric generators D. None of above
12	If I_0 is the peak value of current, then its root mean square value is given by	B. $2 I_{₀}$ C. $I_{₀}$ D. $0.7 I_{₀}$
13	What is the resistance of carbon resistor which has band brown black brown.	A. 100 Ohm B. 1000 Ohm C. 10 Ohm D. 1.0 Ohm
14	The force which is responsible for the breaking up of the radioactive element is.	A. Weak nuclear force B. Strong nuclear force C. Electromagnetic force D. Gravitational force
15	By winding the coil around a less magnetic core, self induction.	A. Will increase B. Will decrease C. Remain same

D. First increase then decrease

16	Those elements whose charge number z is greater than _____ are unstable:	A. 80 B. 79 C. 82 D. 83
17	When the K.E. of photoelectric is zero, the frequency of incident photon is.	A. Less than B. greater than C. Equal to D. Much greater
18	NIBA =	A. $c\theta$ B. θ/c C. c^2/θ D. c^2/θ
19	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
20	the force between two charge is 28 N. If paraffin wax of relative permittivity 2.8 is introduced between the charges as medium, then the force reduces to.	A. 25 N B. 20 N C. 10 N D. 15 N