

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	Circulation of blood is studied by radio isotope.	A. Cobalt -60 B. Phosphorus -32 C. Sodium -24 D. Iodine -131
3	The thermistors convert changes of temperature into.	A. Light energy B. Electric voltage C. Heat D. Sound
4	Write the SI unit of magnetic flux.	A. Tesla B. Weber C. Weber m ⁻² D. Tesla m ²
5	The dimensions of Plank's constant is same as that of.	A. Energy B. Power C. Acceleration D. Angular momentum
6	The radio active nuclide ${}_{86}\text{Ra}^{228}$ decays by a series of emissions of three alpha particles and one beta particle. The nuclide X finally formed is:	A. ${}_{64}\text{X}^{220}$ B. ${}_{86}\text{X}^{222}$ C. ${}_{84}\text{X}^{216}$ D. ${}_{88}\text{X}^{215}$
7	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
8	In Wilson cloud chamber, if tracks are thick, straight and continuous, then particle is	A. α -particles B. β -particles C. γ -rays D. All
9	Which one is not a crystalline solid.	A. Zinc B. Copper C. Nylon D. None of these
10	In case of A.C. through resistor V and I are	A. At 0° with each other B. At 180° with each other C. At 90° with each other D. At 270° with each other
11	The inductive reactance of a coil is direction proportional to.	A. Inductance B. Resistance C. Frequency of A.C. D. Both frequency of A.C. and inductance
12	The SI unit of decay constant is	A. m B. m^{-1} C. s^{-1} D. Nm^{-1}
13	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above
14	Potassium Cathodes in photocell emit electrons for a light.	A. Visible B. Infra red C. Ultra violet D. X rays

15	The mass of beta particle is equal to the mass	A. Proton B. Neutron C. Electron D. Photon
16	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
17	The AC system is preferred to DC system because:	A. AC voltage can be easily changed in magnitude B. DC motor angular velocity is affected badly C. High voltage AC transmission is less efficient D. Domestic appliance require AC voltage for their operation
18	1 kg mass will be equivalent to energy.	A. 9×10^{8} J B. 9×10^{12} J C. 9×10^{16} J D. 9×10^{19} J
19	Which one of the following is polymeric solids	A. Glass B. Nylon C. Copper D. Zinc
20	When Ohm meter gives full scale deflection it indicates.	A. Zero resistance B. Infinite resistance C. Small resistance D. Very High resistance