

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The direction of induced current is always so as to oppose the change which causes the current, this is the statement of	A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law
2	For workers in nuclear facilities is, a weekly does of is normally considered safe	A. 1.0 msv B. 5.0 msv C. 2.0 msv D. 3.0 msv
3	Frequency of x-rays depends upon.	A. Number of electrons striking target B. Accelerating potential C. Nature of the target D. Both B and C
4	Presence of dielectric always.	A. Increase the electrostatic force B. Reduces the electrostatic force C. Do not effect electrostatic force D. Doubles the electrostatic force
5	Marie Curie and Pierre Curie discovered.	A. Uranium B. Uranium and Radium C. Polonium and radium D. Radium
6	___ is correct relation.	A. $IT = 10^{⁻⁴ G}$ B. $IT = 10^{⁴ G}$ C. $IT = 10^{² G}$ D. $IT = 10^{⁻² G}$
7	When a conductor moves across a magnetic field an emf is set up this emf is called.	A. Variable emf B. Constant emf C. Back emf D. Induced emf
8	One joule is equal to.	A. $1.6 \times 10^{¹⁹ eV}$ B. $1.6 \times 10^{⁻¹⁹ eV}$ C. $6.25 \times 10^{⁻¹⁸ eV}$ D. $6.25 \times 10^{¹⁸ eV}$
9	The illustration of the phenomenon of mutual induction is in the device of	A. Transformer B. Inductor C. A.C. Generator D. Ammeter
10	Unit of decay constant λ is:	A. ms B. $m^{⁻¹}$ C. m D. $S^{⁻¹}$
11	Photo diode detects.	A. Visible light B. Radio waves C. X rays D. All of them
12	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
13	The half life of radioactive elements depends upon	A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure
14	A capacitor stores energy in the form of.	A. Magnetic field B. Heat energy C. Electrical energy D. Mechanical energy
15	If an object moves with speed of light, its mass will be.	A. Zero B. Maximum C. Minimum

D. infinity

16 Net charge enclosed by Gaussian surface is:

- A. zero
- B. maximum
- C. depend on intensity
- D. none of all

17 Which one has the least resistance.

- A. Galvanometer
- B. Ammeter
- C. Ohm meter
- D. Volta meter

18 Which is not characteristic of Laser.

- A. Monochromatic
- B. Coherent
- C. Intense
- D. Multi direction

19 One electron volt is equal to.

- A. 1.6×10^{-19} Joule
- B. 1.6×10^{-19} Coulomb
- C. 1.6×10^{-12} N
- D. 1.6×10^{18} Joule

20 Binding energy for deuteron nucleus is given by

- A. 2.8 MeV
- B. 2.23 MeV
- C. 2.28 MeV
- D. 2.25 MeV