

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	e.m.f is the conversion of ----- energy into electrical energy	A. Chemical B. Solar C. Light D. None of these
2	Einstein was awarded Nobel prize in physics in	A. 1905 B. 1911 C. 1918 D. 1921
3	Thermosouple is an arrangement of two different metals:	A. Two convert heat energy into electrical energy B. To produce more heat C. To convert heat energy into chemical energy D. To convert electrical energy into heat energy
4	Compton's effect is associated with	A. gamma rays B. Beta rays C. X rays D. Positive rays
5	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
6	At 0 K a piece of silicon is a	A. Conductor B. Semi-conductor C. Insulator D. All
7	Drift velocity of electrons is.	A. $10^{-1}$ m/s B. $10^{-2}$ m/s C. $10^{-3}$ m/s D. $10^3$ m/s
8	In Wilson cloud chamber, $\beta$ -particles leave	A. Thin and continuous tracks B. Thick and continuous tracks C. No tracks D. Thin and discontinuous tracks
9	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
10	Concept of electric field lines was given by:	A. Michelson B. Henry C. Michael faraday D. Oersted
11	SI unit of reactance is.	A. Ohm B. Mho C. Farad D. Henry
12	Main reason for world wide use of A.C. is	A. It is cheaper B. Transmitted C. Both a and b D. Reaches in short time
13	The value of Wien's constant:	A. $2.9 \times 10^{-3}$ mk B. $2.19 \times 10^{-7}$ mk C. $3.18 \times 10^6$ km <sup>3</sup> D. $6.21 \times 10^{-9}$ m <sup>2</sup> wk <sup>3</sup>
14	Energy band theory is based upon	A. Hund's Rule B. Heisenberg uncertainty principle C. Bohr's atomic Model D. Wave mechanical model

15	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
16	Magnetic lines of force are.	A. Imaginary B. Real C. Perpendicular D. In phase with electric lines of force
17	During negative half cycle of A.c then p-n junction offers.	A. High resistance B. Low resistance C. No resistance D. All of these
18	One joule of energy absorbed per kilogram of a body is	A. Roentgen B. Grey C. Rem D. Curie
19	The sum of positive and negative peak value called.	A. R.M.S. value B. P-P value C. Peak value D. Average value
20	The north pole of a magnet is brought near a metallic ring. The direction of induced current in the ring will be:	A. Antoclockwise B. Clockwise C. First Clockwise and then Antoclockwise D. First anticlockwise and then Clockwise