

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The value of e/m is smallest for	A. Proton B. Electron C. Beta particle D. Positron
2	Alpha particle carries a charge.	Ae B. +2e C2e D. No charge
3	The most useful tracer is.	A. Strontium -90 B. lodine -31 C. Cobalt -60 D. Carbon -14
4	The induced emf in a coil is proportional to:	A. Magnetic flux through the coil B. Rate of change of Magnetic flux through the coil C. Area of the coil D. Product of magnetic flux flux and area of the coil
5	In case of A.C. through resistor V and I are	A. At 0 <sup> o</sup> with each other B. At 180 <sup>o</sup> with each other C. At 90 <sup> o</sup> with each other D. At 270 <sup>o</sup> with each other
6	Unit of Stephen's constant is	A. W m K <sup>-2</sup> B. W m <sup>-2</sup> K <sup>-4</sup> C. W m K <sup>-4</sup> D. None
7	The main use of A.C is	A. Minimum line losses     B. Long distance transmission     C. Stepping up to required voltage only     D. Steeping down to required voltage only
8	B2/2p is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
9	The photoelectric effect predicts that light is made of	A. Photons B. Neutrons C. Protons D. None of these
10	Target material used in x-rays tube have following properties.	A. High atomic number and high melting pouint B. High atomic number and low melting pouint C. Low atomic number and low melting pouint D. High atomic number only
11	If the distance between the two charged bodies is halved, the force between them becomes.	A. Double B. Half C. Four times D. One times
12	Transistor was invented by:	A. Bardeen B. Micheal faraday C. Lenz D. Newton
13	In Compton effect the photon behaves as a.	A. Wave B. Particle C. Nucleon D. Both a and b

14	The Unit of decay constant.	A. Second B. (second)-1 C. m-1 D. mk
15	Torque is produced in a current carrying coil when it is placed in a	A. Magnetic field B. Electric field C. Gravitational field D. Nuclear field
16	Platinum wire becomes white at a temperature of.	A. 1600 <sup>o</sup> C B. 1300 <sup>o</sup> C C. 1100 <sup>o</sup> C D. 900 <sup>o</sup> C
17	The device which allows only the flow of D.C. is.	A. Capacitors B. transformer C. Inductor D. Generator
18	An electron in H -atom is excited from ground state $n=4$ , How many spectral lines are possible in this case.	A. 6 B. 5 C. 4 D. 3
19	Controlling rods inserted into the reactor are of metal:	A. Aluminium B. Cadmium C. Magnesium  D. Copper
20	Young's modulus for water's is	A. Zero B. 1 C. 2 D. 3