

## Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	A block body is an ideal:	A. Absorber B. Radiator C. Both a & D. None of above
2	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron
3	Using relativistic effects the location of an air craft after an hour fight can be predicated about	A. 20 m B. 50 m C. 760 m D. 780 m
4	Internal frame is a frame is which	A. 1st law holds B. 2nd law holds C. 3rd law holds D. Kelvin's law holds
5	De-Broglie waves are associated with	A. Moving charged particles only     B. Moving neutral particles only     C. All moving particles     D. All parties whether in motion or at rest
6	Energy of Black body radiation depends upon	A. Nature of surface of body     B. Nature of material of body     C. Shape and size of body     D. Temperature of the body
7	The mass of an object will be doubled at speed.	A. 2.6 x 10 <sup>8</sup> m/s B. 1.6 x 10 <sup>8 </sup> m/s C. 2.6 x 10 <sup>7 </sup> m/s D. 3.6 x 10 <sup>7</sup> m/s
8	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
9	The stopping potential for a certain metal is 10 volts. Thus work function for the cathode is.	A. 10 J B. 1.6 X 10 <sup>-18</sup> J C. 1.6 X 10 <sup>-19</sup> J D. 1.6 X 10 <sup>30</sup> J
10	When platinum is it becomes orange at.	A. 500 <sup>o</sup> C B. 900 <sup>o</sup> C C. 1100 <sup>o</sup> C D. 1300 <sup>o</sup> C
11	The energy of photon is givne by	A. mv2/2 B. hf C. Va e D. mac <sup>1</sup>
12	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion D. None of these
13	Application of wave like nature of particle is	A. Photodiode     B. Optical microscope     C. Electron microscope     D. Compound microscope
14	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
15	The emission of electrons from metal surface when exposed to light is called:	A. Compton effect B. Pair production C. Photoelectric effect

		D. None of above
	The photon with energy greater than 1.02 MeV can interact with matter as.	A. Photoelectric effect B. Compton effect C. Pair production D. annihilation of matter
	The minimum frequency needed to emit an electron form metal surface is called:	A. Work function B. Threshold frequency C. Quanta frequency D. All of above
3	When platinum wire is heated, it changes to cherry red at temperature.	A. 500 <sup>o</sup> C B. 900 <sup>o</sup> C C. 1100 <sup>o</sup> C D. 1300 <sup>o</sup> C
	Compton shift is maximum for scattering angle of photon	A. 0 <sup>o</sup> B. 90 <sup>o</sup> C. 180 <sup>o</sup> D. 45 <sup>o</sup>
	The dimensions of Plank's constant is same as that of.	A. Energy B. Power C. Acceleration D. Angular momentum