

Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	Maximum Compton shift is observed at.	A. 30° B. 90° C. 45° D. 180°
2	Einstein photoelectric equation is	D. None of these
3	Which is the most refined form of matter.	A. Smoke B. Fog C. Light D. Electron
4	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron
5	Potassium Cathodes in photocell emit electrons for a light.	A. Visible B. Infra red C. Ultra violet D. X rays
6	Wave nature of light appears in	A. Pair production B. Compton effect C. Photo electric D. Interference
7	Compton effect proves.	A. Wave nature of radiation B. Wave nature of particle C. Dual nature of particle D. Particle nature of radiations
8	The maximum kinetic energy of emitted photo electrons depends upon.	A. The intensity of incident light B. Frequency of the incident light C. Metal surface D. Both frequency of incident light and metal surface.
9	Pair production can take place only when energy of radiation is equal and greater than 1.02 MeV, thus correct option is.	A. X rays B. Gama rays C. Heat Radiation D. Ultraviolet rays
10	The Compton effect is associated with	A. X-rays B. γ -rays C. Positive rays D. β -rays
11	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
12	Pair production cannot take place in vacuum because :	A. Mass is not conserved B. Momentum is not conserved C. Energy is not conserved D. Charge is not conserved
13	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these
14	The converse of annihilation of matter is:	A. Photoelectric effect B. Relativistic effect C. Pair production D. Compton effect
15	Pair production occurs only when energy of photon is at least equal in:	A. 1.02keV B. 1.02 eV C. 1.02 MeV D. 1.02 GeV
		A. gamma rays

16	Compton's effect is associated with	B. Beta rays C. X rays D. Positive rays
17	Einstein was awarded Nobel prize in physics in	A. 1905 B. 1911 C. 1918 D. 1921
18	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
19	The minimum frequency needed to emit an electron from metal surface is called:	A. Work function B. Threshold frequency C. Quanta frequency D. All of above
20	The unit for Plank's constant is:	A. Js^{-1} B. Jm C. Js D. Jm^2