

Physics FSC Part 2 Chapter 19 Online MCQ's Test

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Sr	Questions	Answers Choice
1	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these
2	Earth orbital speed is.	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
3	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
4	Maximum Compton shift is observed at.	A. 30 ^o C B. 90 ^o C C. 45 ^o C D. 180 ^o C
5	Compton shift is maximum for scattering angle of photon	A. 0 ^o B. 90 ^o C. 180 ^o D. 45 ^o
6	The existence of positron in 1928 was predicted by	A. Anderson B. Dirac C. Chadwick D. Plank
7	Internal frame is a frame is which	A. 1st law holds B. 2nd law holds C. 3rd law holds D. Kelvin's law holds
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	The existence of positron was discovered in:	A. 1929 B. 1928 C. 1931 D. 1933
10	Number of electros emitted in photo electric effect depend upon.	A. Intensity of incident light B. Frequency of incident light C. Energy of incident light D. Wavelength of incident of light
11	Which is the most refined form of matter.	A. Smoke B. Fog C. Light D. Electron
12	The converses of annihilation of matter is:	A. Photoelectric effectB. Relativistic effectC. Pair productionD. Compton effect
13	Pair production cannto take place in vacuum because :	A. Mass in not conserved B. Momentum is not conserved C. Energy is not conserved D. Charge is not conserved
14	The photon with energy greater than 1.02 MeV can interact with matter as.	A. Photoelectric effectB. Compton effectC. Pair productionD. annihilation of matter
15	Compton's effect is associated with	A. gamma rays B. Beta rays C. Xrays

		D. Positive rays
16	Wave nature of particle was given by:	A. Clemensen B. Louis de Broglie C. Laster H. Germer D. Clinton S. Davisson
17	A block body is an ideal:	A. Absorber B. Radiator C. Both a & D. None of above
18	The energy of photon is givne by	A. mv2/2 B. hf C. Va e D. mac ¹
19	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
20	In an nihilation emitted photons moves in opposite directions to conserve.	A. Mass B. Charge C. Energy D. Momentum