

Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	The converses of annihilation of matter is:	A. Photoelectric effect B. Relativistic effect C. Pair production D. Compton effect
2	Antiparticle of electron is.	A. proton B. Photon C. Positron D. Neutron
3	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon
4	If the energy of photon is 10 eV and work function is 5 eV, then the a value of stopping potential will be	A. 50 V B. 2 V C. 5 V D. 15 V
5	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
6	The value of Stefan is constant is:	A. 4.57×10^{-8} B. 5.67×10^{-8} C. 6.67×10^{-11} D. 7.45×10^{-9}
7	Pair production cannnto 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
8	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
9	When the K.E. of photoelectric is zero, the frequency of incident photon is.	A. Less than B. greater than C. Equal to D. Much greater
10	Minimum energy needed to escape an electron ofrm metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
11	An electron miroscope emplys which to one of the following particles?	A. Electron ahve a wave nature B. Electrons can be focused by an electric field C. Electrons can be focused by a magnetic field D. All of the above
12	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these
13	The dimensions of Plank's constant is same as that of.	A. Energy B. Power C. Acceleration D. Angular momentum
14	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion

		D. None of these
15	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
16	When a very high energy modeules such as γ radiation interact with matter, the phenomenon arising will be.	A. Photoelectric effect B. Compton effect C. Pair production D. Annihilation of matter
17	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron
18	The existence of positron in 1928 was predicted by	A. Anderson B. Dirac C. Chadwick D. Plank
19	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
20	The energy of photon is givne by	A. $mv^2/2$ B. hf C. $Va e$ D. $mac^{sup>1</sup>}$