

Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	Light of 4.5 eV is incident on a Cesium surface and stopping potential is 0.25 eV, maximum K.E. of emitted electron is.	A. 4.5 eV B. 4.25 eV C. 4.75 eV D. 0.25 eV
2	Maximum Compton shift is observed at.	A. 30° B. 90° C. 45° D. 180°
3	Using relativistic effects the location of an air craft after an hour flight can be predicated about	A. 20 m B. 50 m C. 760 m D. 780 m
4	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
5	The Compton effect is associated with	A. X-rays B. γ-rays C. Positive rays D. β-rays
6	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
7	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
8	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope
9	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
10	The materialization of energy take place in the process of.	A. Photo electric effect B. Compton Effect C. Pair production D. Annihilation of matter
11	The photoelectric effect predicts that light is made of	A. Photons B. Neutrons C. Protons D. None of these
12	Potassium Cathodes in photocell emit electrons for a light.	A. Visible B. Infra red C. Ultra violet D. X rays
13	The energy of photon is give by	A. $mv^2/2$ B. hf C. $Va e$ D. $mac^{sup>1</sup>}$
14	Albert Einstein got noble prize in:	A. 1926 B. 1921 C. 1918 D. 1931
15	Which one of the following paved the way for modern physics	A. Newtonian mechanics B. Theory of relativity C. Quantum theory D. All of above

16	In an annihilation emitted photons move in opposite directions to conserve.	A. Mass B. Charge C. Energy D. Momentum
17	The wavelength associated with the protons moving at speed of 40 m/s is.	A. 7.20 nm B. 9.02 C. 15.7 nm D. 17.3 nm
18	When platinum is heated it becomes dull red at:	A. 900°C B. 500°C C. 800°C D. 1100°C
19	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
20	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves