

Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The mass of an object will be doubled at speed.	A. 2.6×10^{8} m/s B. 1.6×10^{8} m/s C. 2.6×10^{7} m/s D. 3.6×10^{7} m/s
3	When platinum is it becomes orange at	A. 500°C B. 900°C C. 1100°C D. 1300°C
4	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
5	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
6	Eintein's Photoelectric equation is $E_k = hf - \phi$ in this equation E_1 , refers to:	A. K.E of al the emitted electrons B. Mean K.E of emitted electrons C. Maximum K.E of emitted electrons D. Minimum K.E of emitted electrons
7	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
8	Photo electrons are emitted y using visible light when the metal is.	A. sodium B. Copper C. Nicked D. Cobalt
9	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.
10	The number of electrons emitted depends upon	A. Colour of target surface B. Shape of surface C. Frequency of incident light D. Intensity of incident light
11	The value of Wien's constant:	A. 2.9×10^{-3} mk B. 2.19×10^{-7} mk C. 3.18×10^6 km ⁻¹ D. 6.21×10^9 m ² wk ³
12	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
13	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
14	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron
15		A. X rays B.

15	Pair production can take place only when energy of radiation is equal and greater than 1.02 MeV, thus correct option is.	<p>B. Gama rays</p> <p>C. Heat Radiation</p> <p>D. Ultraviolet rays</p>
16	Max planck received noble prize in:	<p>A. 1927</p> <p>B. 1932</p> <p>C. 1918</p> <p>D. 1914</p>
17	Energy of Black body radiation depends upon	<p>A. Nature of surface of body</p> <p>B. Nature of material of body</p> <p>C. Shape and size of body</p> <p>D. Temperature of the body</p>
18	The concept of direction is purely	<p>A. Relative</p> <p>B. Absolute</p> <p>C. Relative to the motion</p> <p>D. None of these</p>
19	Maximum Compton shift is observed at.	<p>A. 30°</p> <p>B. 90°</p> <p>C. 45°</p> <p>D. 180°</p>
20	The positron has charge which is in magnitude equal to the charge on	<p>A. Electron</p> <p>B. Proton</p> <p>C. β particle</p> <p>D. All</p>