

Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	When platinum is it becomes orange at	A. 500 ^o C B. 900 ^o C C. 1100 ^o C D. 1300 ^o C
2	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
3	Earth orbital speed is.	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
4	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.
5	Wave nature of light appears in	A. Pair production B. Compton effect C. Photo electric D. Interference
6	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
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	Using relativistic effects the location of an air craft after an hour fight can be predicated about	A. 20 m B. 50 m C. 760 m D. 780 m
9	Compton's effect is associated with	A. gamma rays B. Beta rays C. X rays D. Positive rays
10	Internal frame is a frame is which	A. 1st law holds B. 2nd law holds C. 3rd law holds D. Kelvin's law holds
11	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
12	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
13	Joule second is the unit of.	A. Energy B. Wein's constant C. Planck's constant D. Boyle's law
14	In Compton scattering, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. 90 ^o C B. Zero C. 120 ^o C D. 45 ^o C
15	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron

D. Positron

16	All motions are	A. Absolute B. Uniform C. Relative D. Variable
17	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
18	Unit of Stephen's constant is	A. $W m K^{-2}$ B. $W m^{-2} K^{-4}$ C. $W m K^{-4}$ D. None
19	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
20	Minimum energy needed to escape an electron ofrm metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability