

Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
SI	QUESTIONS	A. X-rays
1	The Compton effect is associated with	B. y-rays C. Positive rays D. ß-rays
2	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
3	The special theory of relativity based on.	A. One postulate B. Two postulates C. Three postulates D. Four postulates
4	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
5	The photon with energy greater than 1.02 MeV can interact with matter as.	A. Photoelectric effect B. Compton effect C. Pair production D. annihilation of matter
6	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
7	When platinum is it becomes orange at	A. 500 ^o C B. 900 ^o C C. 1100 ^o C D. 1300 ^o C
8	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
9	The numerical value of Compton wavelength is equal to	A. 3.43 x 10 ⁻¹² m B. 1.43 x 10 ⁻¹² m C. 2.43 x 10 ⁻¹² m D. 0.43 x 10 ⁻¹² m
10	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
11	Minimum energy needed to escape an electron ofrm metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
12	The converses of annihilation of matter is:	A. Photoelectric effectB. Relativistic effectC. Pair productionD. Compton effect
13	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope
14	Einstein photoelectric equation is	D. None of these
15	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.
		A. Moving charged particles only B. Moving neutral particles only

16	De-Broglie waves are associated with	C. All moving particles D. All parties whether in motion or at rest
17	The unit for Plank's constant is:	A. Js ⁻¹ B. Jm C. Js D. Jm ²
18	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
19	We can never accurately describes all aspects of sbatomic particles simulatanously. It is correct according to:	A. Uncertainity Priciple B. De-broglie Theory C. Einstin Theory D. Photo electric effect
20	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion D. None of these