Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	A. √2 B. 1/√2 C. 2 D. 1/2
2	Platinum wire becomes yellow at a temperature of.	A. 900^oC B. 1300^oC C. 1600^oC D. 500^oC
3	The special theory of relativity based on.	A. One postulate B. Two postulates C. Three postulates D. Four postulates
4	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion D. None of these
5	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
6	Earth orbital speed is.	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
7	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
8	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
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	Wave nature of particle was given by:	A. Clemensen B. Louis de Broglie C. Laster H. Germer D. Clinton S. Davisson
11	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
12	The photoelectric effect predicts that light is made of	A. Photons B. Neutrons C. Protons D. None of these
13	Maximum Compton shift is observed at.	A. 30^oC B. 90^oC C. 45^oC D. 180^oC
		A. gamma rays

14	Compton's effect is associated with	B. Beta rays C. X rays D. Positive rays
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.
16	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon
17	The position has charge which is in magnitude equal to the charge on	A. Electron B. Proton C. β particle D. All
18	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope
19	The Compton effect is associated with	A. X-rays B. y-rays C. Positive rays D. ß-rays
20	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