Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	The mass of an object will be doubled at speed.	A. 2.6 x 10⁸ m/s B. 1.6 x 10⁸m/s C. 2.6 x 10⁷m/s D. 3.6 x 10⁷ m/s
2	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
3	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
4	In Compton scatting, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. 90^oC B. Zero C. 120^oC D. 45^oC
5	The stopping potential for a certain metal is 10 volts. Thus work function for the cathode is.	A. 10 J B. 1.6 X 10⁻¹⁸ J C. 1.6 X 10⁻¹⁹ J D. 1.6 X 10³⁰ J
6	Albert Einstein got noble prize in:	A. 1926 B. 1921 C. 1918 D. 1931
7	The uncertainty principle was given by	A. De-Broglie B. Heisenberg C. Einstein D. Max Planck
8	The converses of annihilation of matter is:	A. Photoelectric effect B. Relativistic effect C. Pair production D. Compton effect
9	The energy of the photon of wavelength 500 nm is.	A. 3.10 eV B. 2.49 eV C. 1.77 eV D. 1.52 eV
10	When platinum is it becomes orange at.	A. 500^oC B. 900^oC C. 1100^oC D. 1300^oC
11	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion D. None of these
12	De-Broglie waves are associated with	A. Moving charged particles only B. Moving neutral particles only C. All moving particles D. All parties whether in motion or at rest
13	An electron miroscope emplys which to one of the following particles?	A. Electron ahve a wave nature B. Electrons can be focused by an electric field C. Electrons can be focused by a magnetic field D. All of the above
14	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
		A. Photons

15	The photoelectric effect predicts that light is made of	B. Neutrons C. Protons D. None of these
16	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
17	When platinum wire is heated, it changes to cherry red at temperature.	A. 500^oC B. 900^oC C. 1100^oC D. 1300^oC
18	The special theory of relativity based on.	A. One postulate B. Two postulates C. Three postulates D. Four postulates
19	Potassium Cathodes in photocell emit electrons for a light.	A. Visible B. Infra red C. Ultra violet D. X rays
20	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