Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	Minimum energy needed to escape an electron ofrm metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
2	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
3	The Compton effect is associated with	A. X-rays B. y-rays C. Positive rays D. ß-rays
4	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
5	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
6	The unit of Plank's constant 'h' is.	A. JC B. J/C C. JS D. J/S
7	Einstein photoelectric equation is	D. None of these
8	When platinum is it becomes orange at.	A. 500^oC B. 900^oC C. 1100^oC D. 1300^oC
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	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
11	When a very high energy modeules such as y radiation interact with matter, the phenomenon arising will be.	A. Photoelectric effect B. Compton effect C. Pair production D. Annihilation of matter
12	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
13	By modern system of NAVSTAR, the speed any where on the earth can be determined to accuracy about.	A. 20 ms-1 B. 10 ms-1 C. 2 cms-1 D. 2 ms-1
14	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
15	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the	A. √2 B. 1/<b style="font-family: arial, sans-

	factor.	serif; font-size: 16px; color: rgb(34, 34, 34);">√2 C. 2 D. 1/2
16	Eintein's Photoelectric equation is E_k= hf -∅ in this equation E_1, refers to:	A. K.E of al the emited electrons B. Mean K.E of emited electrons C. Maximum K.E of emited electrons D. Minimum K.E of emited electrons
17	The value of Stefan is constant is:	A. 4.57 x 10⁻⁸ m²k² B. 5.67 x10⁻⁸ wm⁻²k⁻⁴ C. 6.67x 10⁻¹¹ wm²k⁴ D. 7.45 x 10⁻⁹ m² wk³
18	The special theory of relativity based on.	A. One postulate B. Two postulates C. Three postulates D. Four postulates
19	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
20	Antiparticle of electron is.	A. proton B. Photon C. Positron D. Neutron