Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	The photoelectric effect predicts that light is made of	A. Photons B. Neutrons C. Protons D. None of these
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	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
4	Who explained the photo electric effect.	A. Max Plank B. Einstein C. Henry D. Rutherford
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 unit for Plank's constant is:	A. Js⁻¹ B. Jm C. Js D. Jm²
7	If an object moves with speed of light, its mass will be.	A. Zero B. Maximum C. Minimum D. infinity
8	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
9	In 1905, the special theory of relativity was proposed by	A. Einstein B. Bohr C. Maxwell D. De Broglie
10	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
11	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
12	Unit of Stephen's constant is	A. W m K⁻² B. W m⁻² K⁻⁴ C. W m K⁻⁴ D. None
13	The numerical value of Compton wavelength is equal to	A. 3.43 x 10⁻¹² m B. 1.43 x 10⁻¹²m C. 2.43 x 10⁻¹²m D. 0.43 x 10⁻¹²m
14	The existence of positron in 1928 was predicted by	A. Anderson B. Dirac C. Chadwick D. Plank
15	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
16	The minimum frequency needed to emit an electron form metal surface is called:	A. Work function B. Threshold frequency C. Quanta frequency D. All of above
17	Eintein's Photoelectric equation is $E_k = hf - \varnothing$ 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
18	When the K.E. of photoelectric is zero, the frequency of incident photon is.	A. Less than B. greater than C. Equal to D. Much greater
19	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
20	The uncertainty principle was given by	A. De-Broglie B. Heisenberg C. Einstein D. Max Planck