Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The Compton effect is associated with	A. X-rays B. y-rays C. Positive rays D. ß-rays
3	When platinum is it becomes orange at.	A. 500^oC B. 900^oC C. 1100^oC D. 1300^oC
4	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
5	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
6	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
7	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
8	Joule second is the unit of.	A. Energy B. Wein's constant C. Planck's constant D. Boyle's law
9	Which one of the following paved the way for modern physics	A. Newtonian mechanics B. Theory of relativity C. Quantum theory D. All of above
10	The materialization of energy take place in the process of.	A. Photo electric effect B. Compton Effect C. Pair production D. Annihilationof matter
11	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon
12	Which is the most refined form of matter.	A. Smoke B. Fog C. Light D. Electron
13	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
14	Using relativistic effects the location of an air craft after an hour fight can be predicated about	A. 20 m B. 50 m C. 760 m D. 780 m
		A. √<span style="color: rgb(34, 34, 34); font-family: arial,

15	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	sans-serif; font-size: 16px;">2 B. 1/√2 C. 2 D. 1/2
16	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
17	Minimum energy needed to escape an electron ofrm metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
18	In the equation if f_2 > then	
19	Who explained the photo electric effect.	A. Max Plank B. Einstein C. Henry D. Rutherford
20	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