Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	Compton's effect is associated with	A. gamma rays B. Beta rays C. X rays D. Positive rays
2	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
3	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron
4	Unit of Stephen's constant is	A. W m K⁻² B. W m⁻² K⁻⁴ C. W m K⁻⁴ D. None
5	The energy of photon is givne by	A. mv2/2 B. hf C. Va e D. mac¹
6	The number of electrons emitted depends upon	A. Colour of target surface B. Shape of surface C. Frequency of incident light D. Intensity of incident light
7	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
8	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
9	Joule second is the unit of.	A. Energy B. Wein's constant C. Planck's constant D. Boyle's law
10	When platinum is it becomes orange at.	A. 500^oC B. 900^oC C. 1100^oC D. 1300^oC
11	In the equation if f_2 > then	
12	When platinum is it becomes orange at	A. 500^oC B. 900^oC C. 1100^oC D. 1300^oC
13	The photoelectric effect predicts that light is made of	A. Photons B. Neutrons C. Protons D. None of these
14	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
15	A block body is an ideal:	A. Absorber B. Radiator C. Both a & b D. None of above
		A. Length

16	The quantity/factor h/m_oc has the dimensions of.	B. Time C. Mass D. Energy
17	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
18	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
19	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
20	Minimum energy needed to escape an electron ofrm metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability