Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	1 kg mass will be equivalent to energy.	A. 9 x 10⁸ J B. 9 X 10¹² J C. 9 X 10¹⁶ J D. 9 X 10¹⁹ J
2	The minimum energy required for occurrence of pair production is:	A. 1.022eV B. 1.02keV C. 1.02Me.V D. 1.04MeV
3	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
4	The special theory of relativity based on.	A. One postulate B. Two postulates C. Three postulates D. Four postulates
5	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
6	The unit of Plank's constant 'h' is.	A. JC B. J/C C. JS D. J/S
7	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
8	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
9	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
10	Platinum wire becomes yellow at a temperature of.	A. 900^oC B. 1300^oC C. 1600^oC D. 500^oC
11	The uncertainty principle was given by	A. De-Broglie B. Heisenberg C. Einstein D. Max Planck
12	When platinum is heated is become dull red at:	A. 900°C B. 500°C C. 800°C D. 1100°C
13	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
14	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	A. <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">√2 B. 1/√<span style="font-family: arial, sans-serif; font-size:

		16px; color: rgb(34, 34, 34);">2 C. 2 D. 1/2
15	The quantity/factor h/m_oc has the dimensions of.	A. Length B. Time C. Mass D. Energy
16	Wave nature of particle was given by:	A. Clemensen B. Louis de Broglie C. Laster H. Germer D. Clinton S. Davisson
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	Einstein was awarded Nobel prize in physics in	A. 1905 B. 1911 C. 1918 D. 1921
19	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
20	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these