Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
3	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
4	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
5	The energy of photon is givne by	A. mv2/2 B. hf C. Va e D. mac¹
6	Number of electros emitted in photo electric effect depend upon.	A. Intensity of incident light B. Frequency of incident light C. Energy of incident light D. Wavelength of incident of light
7	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon
8	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
9	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron
10	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
11	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these
12	The position has charge which is in magnitude equal to the charge on	A. Electron B. Proton C. β particle D. All
13	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
14	Albert Einstein got noble prize in:	A. 1926 B. 1921 C. 1918 D. 1931
		A. 1.022eV

15	The minimum energy required for occurrence of pair production is:	B. 1.02keV C. 1.02Me.V D. 1.04MeV
16	Compton shift is maximum for scattering angle of photon	A. 0^o B. 90^o C. 180^o D. 45^o
17	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
18	The existence of positron was discovered in:	A. 1929 B. 1928 C. 1931 D. 1933
19	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
20	Unit of Stephen's constant is	A. W m K⁻² B. W m⁻² K⁻⁴ C. W m K⁻⁴ D. None