Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	Earth orbital speed is.	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
3	The uncertainty principle was given by	A. De-Broglie B. Heisenberg C. Einstein D. Max Planck
4	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these
5	The quantity/factor h/m_oc has the dimensions of.	A. Length B. Time C. Mass D. Energy
6	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
7	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
8	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
9	Compton effect proves.	A. Wave nature of radiation B. Wave nature of particle C. Dual nature of particle D. Particle nature of radiations
10	Photo electrons are emitted y using visible light when the metal is.	A. sodium B. Copper C. Nicked D. Cobalt
11	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
12	Pair production occurs only when energy of photon is at least equal in:	A. 1.02keV B. 1.02 eV C. 1.02 MeV D. 1.02 GeV
13	De-Broglie waves are associated with	A. Moving charged particles only B. Moving neutral particles only C. All moving particles D. All parties whether in motion or at rest

14	unit of Plank's constant is same as that of.	A. Acceleration B. Angular momentum C. Linear momentum D. Entropy
15	The unit of Plank's constant 'h' is.	A. JC B. J/C C. JS D. J/S
16	Einstein photoelectric equation is	D. None of these
17	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
18	Platinum wire becomes yellow at a temperature of.	A. 900^oC B. 1300^oC C. 1600^oC D. 500^oC
19	An electron miroscope emplys which to one of the following particles?	A. Electron ahve a wave nature B. Electrons can be focused by an electric field C. Electrons can be focused by a magnetic field D. All of the above
20	Einstein was awarded Nobel prize in physics in	A. 1905 B. 1911 C. 1918 D. 1921