

## Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	An electron microscope employs which to one of the following particles?	A. Electron have 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
2	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
3	We can never accurately describes all aspects of subatomic particles simultaneously. It is correct according to:	A. Uncertainty Principle B. De-broglie Theory C. Einstein Theory D. Photo electric effect
4	In the equation if $f_2 >$ then	
5	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
6	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
7	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
8	The energy of photon is given by	A. $mv^2/2$ B. $hf$ C. $Va e$ D. $mac^{sup>1</sup>}$
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	All motions are	A. Absolute B. Uniform C. Relative D. Variable
11	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
12	The converses of annihilation of matter is:	A. Photoelectric effect B. Relativistic effect C. Pair production D. Compton effect
13	Unit of Stephen's constant is	A. $W m K^{sup>-2</sup>}$ B. $W m^{sup>-2</sup> K^{sup>-4</sup>}$ C. $W m K^{sup>-4</sup>}$ D. None
14	The unit for Plank's constant is:	A. $J s^{sup>-1</sup>}$ B. Jm C. $J s$ D. $J m^{sup>2</sup>}$
15	The unit of Plank's constant 'h' is.	A. JC B. J/C C. JS D. J/C

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16	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
17	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
18	The materialization of energy take place in the process of.	A. Photo electric effect B. Compton Effect C. Pair production D. Annihilation of matter
19	The dimensions of Plank's constant is same as that of.	A. Energy B. Power C. Acceleration D. Angular momentum
20	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope

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