

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

Sr	Questions	Answers Choice
1	Minimum energy needed to escape an electron from metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
2	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon
3	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
4	unit of Plank's constant is same as that of.	A. Acceleration B. Angular momentum C. Linear momentum D. Entropy
5	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
6	Albert Einstein got noble prize in:	A. 1926 B. 1921 C. 1918 D. 1931
7	The stopping potential for a certain metal is 10 volts. Thus work function for the cathode is.	A. 10 J B. $1.6 \times 10^{-18}$ J C. $1.6 \times 10^{-19}$ J D. $1.6 \times 10^{30}$ J
8	Earth orbital speed is.	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
9	Pair production cannot take place in vacuum because :	A. Mass is not conserved B. Momentum is not conserved C. Energy is not conserved D. Charge is not conserved
10	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope
11	Using relativistic effects the location of an air craft after an hour flight can be predicted about	A. 20 m B. 50 m C. 760 m D. 780 m
12	When a very high energy modeules such as $\gamma$ radiation interact with matter, the phenomenon arising will be.	A. Photoelectric effect B. Compton effect C. Pair production D. Annihilation of matter
13	Antiparticle of electron is.	A. proton B. Photon C. Positron D. Neutron
14	The dimensions of Plank's constant is same as that of.	A. Energy B. Power C. Acceleration D. Angular momentum
15	Platinum wire becomes white at a temperature of.	A. $1600^{\circ}\text{C}$ B. $1300^{\circ}\text{C}$ C. $1100^{\circ}\text{C}$ D. $900^{\circ}\text{C}$

16	Max planck received noble prize in:	A. 1927 B. 1932 C. 1918 D. 1914
17	Eintein's Photoelectric equation is $E_k = hf - \phi$ in this equation $E_1$ , refers to:	A. K.E of al the emitted electrons B. Mean K.E of emitted electrons C. Maximum K.E of emitted electrons D. Minimum K.E of emitted electrons
18	Compton shift is maximum for scattering angle of photon	A. $0^\circ$ B. $90^\circ$ C. $180^\circ$ D. $45^\circ$
19	The positron has charge which is in magnitude equal to the charge on	A. Electron B. Proton C. <span style="font-weight: bold; color: rgb(106, 106, 106); font-family: arial, sans-serif; font-size: small;">β</span> D. All
20	Maximum Compton shift is observed at.	A. $30^\circ$ B. $90^\circ$ C. $45^\circ$ D. $180^\circ$