

Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these
3	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
4	Eintein's Photoelectric equation is $E_k = hf - \phi$ 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
5	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	A. $\frac{1}{2}$ B. $\frac{1}{\sqrt{2}}$ C. 2 D. $\sqrt{2}$
6	Wave nature of particle was given by:	A. Clemensen B. Louis de Broglie C. Laster H. Germer D. Clinton S. Davisson
7	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
8	The existence of positron was discovered in:	A. 1929 B. 1928 C. 1931 D. 1933
9	The converses of annihilation of matter is:	A. Photoelectric effect B. Relativistic effect C. Pair production D. Compton effect
10	The minimum energy required for occurrence of pair production is:	A. 1.022eV B. 1.02keV C. 1.02Me.V D. 1.04MeV
11	When a very high energy modeules such as γ radiation interact with matter, the phenomenon arising will be.	A. Photoelectric effect B. Compton effect C. Pair production D. Annihilation of matter
12	Albert Einstein got noble prize in:	A. 1926 B. 1921 C. 1918 D. 1931
13	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect

14	Minimum energy needed to escape an electron from metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
15	The minimum frequency needed to emit an electron from metal surface is called:	A. Work function B. Threshold frequency C. Quanta frequency D. All of above
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 for Plank's constant is:	A. Js^{-1} B. Jm C. Js D. Jm^2