

Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	All motions are	A. Absolute B. Uniform C. Relative D. Variable
2	Pair production can take place only when energy of radiation is equal and greater than 1.02 MeV, thus correct option is.	A. X rays B. Gama rays C. Heat Radiation D. Ultraviolet rays
3	Maximum Compton shift is observed at.	A. 30° B. 90° C. 45° D. 180°
4	Wave nature of light appears in	A. Pair production B. Compton effect C. Photo electric D. Interference
5	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	A. $\sqrt{2}$ B. $\frac{1}{\sqrt{2}}$ C. 2 D. $\frac{1}{2}$
6	Platinum wire becomes yellow at a temperature of.	A. 900°C B. 1300°C C. 1600°C D. 500°C
7	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
8	Joule second is the unit of.	A. Energy B. Wein's constant C. Planck's constant D. Boyle's law
9	Albert Einstein got noble prize in:	A. 1926 B. 1921 C. 1918 D. 1931
10	The maximum kinetic energy of emitted photo electrons depends upon.	A. The intensity of incident light B. Frequency of the incident light C. Metal surface D. Both frequency of incident light and metal surface.
11	The value of Wien's constant:	A. $2.9 \times 10^{-3} \text{ mk}$ B. $2.19 \times 10^{-7} \text{ mk}$ C. $3.18 \times 10^6 \text{ km}^{-1}$ D. $6.21 \times 10^{-9} \text{ m}^2 \text{ wk}^{-3}$
12	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
13	In Compton scattering, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. 90° B. Zero C. 120° D. 45°

14	Which one of the following paved the way for modern physics	A. Newtonian mechanics B. Theory of relativity C. Quantum theory D. All of above
15	Who explained the photo electric effect.	A. Max Plank B. Einstein C. Henry D. Rutherford
16	Platinum wire becomes white at a temperature of.	A. 1600 ^o C B. 1300 ^o C C. 1100 ^o C D. 900 ^o C
17	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
18	The photoelectric effect predicts that light is made of	A. Photons B. Neutrons C. Protons D. None of these
19	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
20	The materialization of energy take place in the process of.	A. Photo electric effect B. Compton Effect C. Pair production D. Annihilationof matter