

Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	Photo electrons are emitted y using visible light when the metal is.	A. sodium B. Copper C. Nicked D. Cobalt
2	The stopping potential for a certain metal is 10 volts. Thus work function for the cathode is.	A. 10 J B. 1.6×10^{-18} J C. 1.6×10^{-19} J D. 1.6×10^{-30} J
3	The value of Stefan is constant is:	A. 4.57×10^{-8} m ² K ⁴ B. 5.67×10^{-8} W m ² K ⁻⁴ C. 6.67×10^{-11} wm ² K ⁻⁴ D. 7.45×10^{-9} m ² K ⁻³
4	The quantity/factor h/m_0c has the dimensions of.	A. Length B. Time C. Mass D. Energy
5	Potassium Cathodes in photocell emit electrons for a light.	A. Visible B. Infra red C. Ultra violet D. X rays
6	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
7	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
8	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
9	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.
10	Using relativistic effects the location of an air craft after an hour fight can be predicated about	A. 20 m B. 50 m C. 760 m D. 780 m
11	The position has charge which is in magnitude equal to the charge on	A. Electron B. Proton C. β particle D. All
12	The mass of an object will be doubled at speed.	A. 2.6×10^8 m/s B. 1.6×10^8 m/s C. 2.6×10^7 m/s D. 3.6×10^7 m/s
13	Compton shift is maximum for scattering angle of photon	A. 0° B. 90° C. 180° D. 45°
14	Compton's effect is associated with	A. gamma rays B. Beta rays C. Alpha rays D. Neutrons

		<p>C. X rays D. Positive rays</p>
15	We can never accurately describes all aspects of subatomic particles simultaneously. It is correct according to:	<p>A. Uncertainty Principle B. De-broglie Theory C. Einstein Theory D. Photo electric effect</p>
16	The minimum frequency needed to emit an electron from metal surface is called:	<p>A. Work function B. Threshold frequency C. Quanta frequency D. All of above</p>
17	Number of electrons emitted in photo electric effect depend upon.	<p>A. Intensity of incident light B. Frequency of incident light C. Energy of incident light D. Wavelength of incident of light</p>
18	In 1905, the special theory of relativity was proposed by	<p>A. Einstein B. Bohr C. Maxwell D. De Broglie</p>
19	The existence of positron was discovered in:	<p>A. 1929 B. 1928 C. 1931 D. 1933</p>
20	When platinum wire is heated, it changes to cherry red at temperature.	<p>A. 500°C B. 900°C C. 1100°C D. 1300°C</p>