

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

Sr	Questions	Answers Choice
1	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
2	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
3	The Compton effect is associated with	A. X-rays B. y-rays C. Positive rays D.  \( \hat{8}\)-rays
4	Light of 4.5 eV is incident on a Cesium surface and stopping potential is 0.25 eV, maximum K.E. of emitted electron is.	A. 4.5 eV B. 4.25 eV C. 4.75 eV D. 0.25 eV
5	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
6	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron
7	Disintegration of photon on striking a nucleus into an electron and positron is known as.	A. Annihilation of matter B. Compton effect C. Pair production D. Photo electric effect
8	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
9	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
10	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
11	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon
12	The energy of photon is givne by	A. mv2/2 B. hf C. Va e D. mac <sup>1</sup>
13	The converses of annihilation of matter is:	A. Photoelectric effect     B. Relativistic effect     C. Pair production     D. Compton effect
14	The unit of Plank's constant 'h' is.	A. JC B. J/C C. JS D. J/S
15	Compton's effect is associated with	A. gamma rays B. Beta rays C. X rays D. Positive rays

16	The maximum kinetic energy of emitted photo electrons depends upon.	<ul> <li>A. The intensity of incident light</li> <li>B. Frequency of the incident light</li> <li>C. Metal surface</li> <li>D. Both frequency of incident light and metal surface.</li> </ul>
17	When platinum is heated is become dull red at:	A. 900°C B. 500°C C. 800°C D. 1100°C
18	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion D. None of these
19	Platinum wire becomes yellow at a temperature of.	A. 900 <sup> o</sup> C B. 1300 <sup>o</sup> C C. 1600 <sup>o</sup> C D. 500 <sup>o</sup> C
20	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