

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Balmer series lies in	A. Visible region B. Invisible region C. Ultraviolet region D. Infrared region
2	The shortest wave length is Bracket series has wave length.	A. $16/R_n$ B. $R_n/16$ C. $16 R_n$ D. $4 R_n$
3	Balmer series lies in region of electromagnetic spectrum.	A. Infrared B. Visible C. Ultraviolet D. Fra infrared
4	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope
5	The principle regarding the dual nature of light was first discovered by	A. Heisenberg B. Compton C. J.J.Thomson D. De-Broglie
6	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
7	The wavelength associated with the protons moving at speed of 40 m/s is.	A. 7.20 nm B. 9.02 C. 15.7 nm D. 17.3 nm
8	Which is the most refined form of matter.	A. Smoke B. Fog C. Light D. Electron
9	Wave nature of light appears in	A. Pair production B. Compton effect C. Photo electric D. Interference
10	In an nihilation emitted photons moves in opposite directions to conserve.	A. Mass B. Charge C. Energy D. Momentum
11	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
12	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
13	In Compton scattering, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. $90^\circ$ B. Zero C. $120^\circ$ D. $45^\circ$
14	Maximum Compton shift is observed at.	A. $30^\circ$ B. $90^\circ$ C. $45^\circ$ D. $180^\circ$
15	The quantity/factor $h/m_0c$ has the dimensions of.	A. Length B. Time C. Mass D. Energy

16	Compton effect proves.	A. Wave nature of radiation B. Wave nature of particle C. Dual nature of particle D. Particle nature of radiations
17	Photo electrons are emitted y using visible light when the metal is.	A. sodium B. Copper C. Nicked D. Cobalt