

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The value of Rydberg constant is	A. $1.0974 \times 10^{7.1} \text{ m}^{-1}$ B. $1.0974 \times 10^{7.1} \text{ m}^{-1}$ C. $1.0974 \times 10^{6.1} \text{ m}^{-1}$ D. $1.0974 \times 10^{6.1} \text{ m}^{-1}$
2	Study of hydrogen visible spectrum in	A. 1886 B. 1887 C. 1895 D. 1885
3	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
4	Compton shift is maximum for scattering angle of photon	A. 0° B. 90° C. 180° D. 45°
5	Unit of Stephen's constant is	A. W m K^{-2} B. $\text{W m}^{-2} \text{ K}^{-4}$ C. W m K^{-4} D. None
6	The numerical value of Compton wavelength is equal to	A. $3.43 \times 10^{-12} \text{ m}$ B. $1.43 \times 10^{-12} \text{ m}$ C. $2.43 \times 10^{-12} \text{ m}$ D. $0.43 \times 10^{-12} \text{ m}$
7	The Compton effect is associated with	A. X-rays B. y-rays C. Positive rays D. β -rays
8	Einstein photoelectric equation is	D. None of these
9	In the equation if $f_2 >$ then	
10	If the energy of photon is 10 eV and work function is 5 eV, then the a value of stopping potential will be	A. 50 V B. 2 V C. 5 V D. 15 V
11	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
12	The photoelectric effect predicts that light is made of	A. Photons B. Neutrons C. Protons D. None of these
13	The uncertainty principle was given by	A. De-Broglie B. Heisenberg C. Einstein D. Max Planck
14	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
15	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above

16 The concept of direction is purely

- A. Relative
- B. Absolute
- C. Relative to the motion
- D. None of these

17 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