

Atomic Physics Questions and Answers Pdf

Question: 1

The study of electric discharge through gases gives valuable information regarding the structure of ____

- (A) Molecules
- (B) Atom's
- (C) Nucleus of an atom
- (D) Molecules and atoms

Ans: A

Molecules

Question: 2

According to Rutherford atom model, the spectral lines emitted by an atom is ____

- (A) Band spectrum
- (B) Continuous absorption spectrum
- (C) Continuous spectrum
- (D) Line spectrum

Ans: C

Continuous spectrum

Question: 3

Cathode rays are ____

- (A) Protons
- (B) Neutrons

(C) Positrons

(D) Electrons

Ans: D

Electrons

Question: 4

Charge per unit mass measures ____ of the particle.

(A) Charge density

(B) Specific mass

(C) Specific charge

(D) Specific density

Ans: C

Specific charge

Question: 5

The magnetic Lorentz force experienced by the electron in the magnetic field is ____

(A) MeV

(B) Ee

(C) Bev

(D) B^2v

Ans: C

Bev