

CHEMISTRY-11	Chapter#05 (Complete) Test-2		
	Name:	Class:	ID:
Date: / /	Marks Total: 30	Marks Obtained:	
Time Allowed: 60 Min.			

Maximum Marks: 06

(OBJECTIVE TYPE)

Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- The velocity of photon is:
 - Independent of wave length
 - Depends on its wave length
 - Depends on its source
 - Equal to square of its amplitude
- Orbitals having same energy are called:
 - Hybrid orbitals
 - Valence orbitals
 - Degenerate orbitals
 - d-orbitals
- Cathode rays cause a chemical change because they have _____ effect.
 - Oxidizing
 - Conducting
 - Reducing
 - Diffusing
- Lyman series lies in spectral region:
 - Infrared
 - Visible
 - Ultra violet
 - None
- de-Broglie equation is represented by:
 - $h = \frac{\lambda}{mv}$
 - $m = \frac{h}{\lambda v}$
 - $m = \frac{\lambda}{hv}$
 - $\lambda = \frac{h}{mv}$
- A fast neutron ejects an α -particle from nitrogen atom and _____ is produced.
 - C
 - O
 - B
 - Be

Maximum Marks: 24

(SUBJECTIVE TYPE)

Time Allowed: 50 Min.

SECTION-I

Q.2: Give brief answers to the following questions: (16)

- How does the bending of cathode rays in electric and magnetic fields show that they are negatively charged?
- Why are positive rays also called canal rays?
- What were the defects in Rutherford's model?
- What is the origin of line spectrum of hydrogen?
- What is Zeeman effect? OR Differentiate between Zeeman and Stark effect.
- Give importance of Mosley's law.
- Draw the shapes of d-orbitals.
- What is Pauli's exclusion principle?

SECTION-II

NOTE: Attempt All Questions:

(08)

Q.3: Describe Millikan's oil droplet method for the determination of charge of electron.

Q.4: What are quantum numbers? Explain principal quantum number.