

CHEMISTRY-11	Chapter#04-First Half (4.1-4.3) Test-3		
	Name: _____	Class: _____	ID: _____
Date: / /	Marks Total: 30	Marks Obtained:	
Time Allowed: 50 Min.			

Maximum Marks: 10

(OBJECTIVE TYPE)

Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- NH₃ shows maximum boiling point among the hydrides of Vth group elements due to:**
 - Very small size of nitrogen
 - Lone pair of electrons present on nitrogen
 - Enhanced electronegative character of nitrogen
 - Pyramidal structure of NH₃
- Which of the given has hydrogen bonding?**
 - CH₄
 - NH₃
 - CCl₄
 - NaCl
- At the top of Mount Everest, water boil at:**
 - 70°C
 - 71°C
 - 69°C
 - 68°C
- The intermolecular forces which are responsible for the liquefaction of noble gases?**
 - Dipole-dipole forces
 - London dispersion forces
 - Debye's forces
 - All
- Which halogen is a liquid at room temperature?**
 - Cl₂
 - Br₂
 - F₂
 - None
- Which compound has greater extent of hydrogen bonding?**
 - HF
 - H₂O
 - NH₃
 - All have same
- The number of amino acids in each turn of the helix is:**
 - 10
 - 18
 - 27
 - 40
- Water has minimum volume at:**
 - 0°C
 - 4°C
 - 25°C
 - 100°C
- At 760 torr, the B.P of glycerin is:**
 - 290°C
 - 300°C
 - 210°C
 - 120°C
- Cholesteryl benzoate turns into milky liquid at:**
 - 144°C
 - 145°C
 - 146°C
 - 147°C

Maximum Marks: 20

(SUBJECTIVE TYPE)

Time Allowed: 40 Min.

SECTION-I

Q.2: Give brief answers to the following questions: (12)

- What are Debye's forces or dipole-induced dipole forces?
- Why do the boiling points of Noble gases increase down the group?
- Why is the boiling point of H₂O greater than that of HF, although F is more electronegative than O atom?
- What is the role of H-bonding in cleansing action of soaps and detergents?
- Why is food cooked earlier in the pressure cooker?
- State biological application of liquid crystals.

SECTION-II

NOTE: Attempt All Questions:

(08)

03: Write a note on the factors affecting the strength of London forces.

04: What is the effect of external pressure on the boiling point of a substance? Give example.