

CHEMISTRY-11	Chapter#04 (Complete-Smart Syllabus) Test-2		
	Name:	Class:	ID:
Date: / /	Marks Total: 25	Marks Obtained:	
Time Allowed: 40 Min.			

Maximum Marks: 09

(OBJECTIVE TYPE)

Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- When water freezes at 0°C , its density decreases due to:
 - Cubic structure of ice
 - Empty spaces present in the structure of ice
 - Change of bond lengths
 - Change of bond angles
- Which of the followings is a pseudo solid?
 - CaF_2
 - Glass
 - NaCl
 - All
- When water freezes, its volume increases:
 - 10%
 - 9%
 - 15%
 - 18%
- Shape of graphite is:
 - Hexagonal
 - Cubic
 - Tetragonal
 - Monoclinic
- Transition temperature of KNO_3 is:
 - 13.2°C
 - 95.5°C
 - 128°C
 - 32.2°C
- Which pair will have Debye's forces?
 - Water + NaCl
 - Water + CH_3OH
 - Water + CO_2
 - Water + Acetic acid
- The number of H-bonds per water molecular is:
 - 1
 - 2
 - 3
 - 4
- Amorphous solids are also called:
 - Pseudo liquids
 - Pseudo solids
 - Liquid crystals
 - Crystallites
- Polymorphs have different _____ properties.
 - Physical
 - Chemical
 - Both a and b
 - None

Maximum Marks: 16

(SUBJECTIVE TYPE)

Time Allowed: 30 Min.

SECTION-I

- Q.2: Give brief answers to the following questions: (12)**
- Why are intermolecular forces weaker than intramolecular forces?
 - Why fluorine is a gas while iodine is a solid at room temperature?
 - Why does ice float on the surface of water?
 - What are liquid crystals?
 - Define symmetry. Name any two symmetry elements.
 - Differentiate between polymorphism and isomorphism.

SECTION-II

NOTE: Attempt All Questions:

(04)

Q.3: Define the following with examples:

- Amorphous solids
- Habit of crystals
- Allotropy
- Transition temperature