

<b>CHEMISTRY-11</b>	<b>Chapter#02 (Complete) Test-1</b>		
	Name:	Class:	ID:
Date: / /	<b>Marks Total: 25</b>	<b>Marks Obtained:</b>	
Time Allowed: 35 Min.			

Maximum Marks: 09

**(OBJECTIVE TYPE)**

Time Allowed: 10 Min.

**NOTE:** Tick The Correct Option:

- i. Solvent extraction is an equilibrium process and is controlled by:
  - (a) Law of mass action
  - (b) The amount of solvent used
  - (c) Distribution law
  - (d) The amount of solute
- ii. Insoluble particles can be separated from liquid by:
  - (a) Sublimation
  - (b) Solvent extraction
  - (c) Filtration
  - (d) Crystallization
- iii. Gooch crucible is made of:
  - (a) Clay
  - (b) Asbestos
  - (c) Porcelain
  - (d) Iron
- iv. The drying agent used in desiccator is:
  - (a)  $KMnO_4$
  - (b)  $NH_4Cl$
  - (c)  $P_2O_5$
  - (d) Animal charcoal
- v.  $I_2$ , in  $CCl_4$  solvent, shows color:
  - (a) Blue
  - (b) Brown
  - (c) Purple
  - (d) Pink
- vi. During paper chromatography, the stationary phase is:
  - (a) Solid
  - (b) Liquid
  - (c) Gas
  - (d) Plasma
- vii. Which one can be separated from aqueous solution by crystallization?
  - (a) Sand
  - (b) Benzoic acid
  - (c) Naphthalene
  - (d) NaCl
- viii. The component having smaller value of K:
  - (a) Remains in the stationary phase
  - (b) Moves along with mobile phase
  - (c) Both 'a' & 'b'
  - (d) None
- ix. The pattern of spots on dried chromatographic paper is called:
  - (a) Chromatogram
  - (b) Chromatograph
  - (c) Khromatos
  - (d) Both 'a' & 'b'

Maximum Marks: 16

**(SUBJECTIVE TYPE)**

Time Allowed: 25 Min.

**SECTION-I**

**Q.2: GIVE BRIEF ANSWERS TO THE FOLLOWING QUESTIONS:**

**(16)**

- i. Differentiate between qualitative and quantitative analyses.
- ii. Explain the terms filtrate and residue?
- iii. What is sintered glass crucible? Why is it preferred over Gooch crucible?
- iv. How is saturated solution prepared for crystallization?
- v. How are crystals dried in an oven?
- vi. Define sublimation with an example.
- vii. State distribution law. Explain with an example.
- viii. What is  $R_f$  value? Give its units.