

CHEMISTRY-11	Chapter#02 (Complete) Test-3		
	Name:	Class:	ID:
Date: / /	Marks Total: 25	Marks Obtained:	
Time Allowed: 35 Min.			

Maximum Marks: 09

(OBJECTIVE TYPE)

Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- i. Solvent extraction method is a partially useful technique for separation when the product to be separated is:
 - (a) Non-volatile or thermally unstable
 - (b) Volatile or thermally stable
 - (c) Non-volatile or thermally stable
 - (d) Volatile or thermally unstable
- ii. The word porosite means:
 - (a) Size of pores
 - (b) Quality of pores
 - (c) Number of pores
 - (d) Nature of pores
- iii. When hot saturated solution is cooled very rapidly, we get:
 - (a) Medium sized crystals
 - (b) Large sized crystals
 - (c) Premature crystallization
 - (d) No crystallization
- iv. The iodine present in water can be separated by _____ technique:
 - (a) Sublimation
 - (b) Chromatography
 - (c) Solvent extraction
 - (d) Filtration
- v. During chromatography, the strip should be dipped into solvent mixture to a depth of:
 - (a) 3-4 mm
 - (b) 4-5 mm
 - (c) 5-6 mm
 - (d) 6-7 mm
- vi. The rim of the funnel should extend above the filter paper about:
 - (a) 1 to 2 cm
 - (b) 2 to 3 cm
 - (c) 3 to 4 cm
 - (d) 4 to 5 cm
- vii. Which one is the best method for drying the crystals?
 - (a) Between the folds of filter paper
 - (b) In the oven
 - (c) In vacuum desiccators
 - (d) All
- viii. Which one cannot be separated by sublimation?
 - (a) Naphthalene
 - (b) NH_4Cl
 - (c) P_2O_5
 - (d) Camphor
- ix. The word chromatography originates from a Greek word:
 - (a) Chromatin
 - (b) Khromatin
 - (c) Chromatos
 - (d) Khromatos

Maximum Marks: 16

(SUBJECTIVE TYPE)

Time Allowed: 20 Min.

SECTION-I

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

(16)

- i. Define analytical chemistry.
- ii. What is the advantage of fluted filter paper over normal filter paper?
- iii. How does a Gooch crucible increase the rate of filtration?
- iv. Name some solvents which are mostly used in crystallization?
- v. How is the decolourization of undesirable colours carried out for freshly prepared crystalline substance?
- vi. What is solvent extraction?
- vii. Define chromatography. Give formula of distribution co-efficient.
- viii. Define chromatogram.