**ILMI BLOG.COM FSC 1ST YEAR CHEMISTRY CHAPTER 2 TEST**

**STUDENT NAME-------------------------- ROLL # ------------------------------- DATE: / /**

**Class 1 year Chapter 2 T. Marks: 40 Subject Chemistry Time 45 min Obtain marks------------------**

**Q # 1 encircle the correct option 1\*10=10**

1. Solvent extraction is an equilibrium process and follows: A) Law of Mass action B) Law of conservation of energy C) distribution law D)None
2. Examples of sublimation is/are: A) Iodine B) ammonium chloride C)Benzoic Acid D) all
3. Process used frequently to purify a solid: A) crystallization B) Sublimation C) Both D) None
4. Most common examples of solvent extraction: A) Alcohol extraction B)Ether Extraction C) Both D) None
5. The component with small value of K remain in: A)Stationary Phase B)Mobile Phase C) Both D) None
6. Triodideion is a soluble: A) CCl4 B) Water C) CHCl3 D) all
7. In partition Chromatography the stationary Phase is: A) Solid B) Liquid C) Gas D) Plasma
8. The cooperative rate at which the solute move in paper chromatography depend on: A) Size of paper B) temperature C) Rf value of solute D) None
9. The common ways of paper chromatography are: A)Ascending B) Descending C) Radial D) All
10. In Sublimation Substance is carried out in: A) Watch Glass B) Funnel C)Jar D) None

**Q # 2: Short Question 10 \* 2= 20**

1. What do you know about sublimation?
2. Define Partition Law.
3. What is meant by distribution Coefficient in chromatography?
4. Differentiate between absorption and partition chromatography.
5. What do you know about chromatography?
6. Write some uses of chromatography.
7. In solvent extraction technique why repeated extraction using small portion of solvent are more efficient the using of single extraction but large scale of solvent.
8. Write examples of sublimation.
9. How sublimation is carried out.
10. What is retardation factor?

**Q # 3 Long Questions 2\* 5 =10**

1. Explain solvent Extraction.
2. Explain chromatoGraphy