

FM-30 MARKS

Very Short questions (1X5=5)

- 1) What is the main purpose for the separation of mixture?
- 2) Define Handpicking.
- 3) Define winnowing
- 4) Define Magnetic separation.
- 5) Define Sublimation.

Give One Word for the following (1X4=4)

- 6) The solid particle that remains on the filter paper after the filtration.
- 7) The liquid which evaporates and then condenses during the process of distillation.
- 8) The process of transferring the clean liquid after the solid settles at the bottom of the container.
- 9) The process by which two miscible liquids are separated.

MCQ (1X5=5)

- 1) A pure liquid is obtained from a solution by:
 - a) Evaporation
 - b) Distillation
 - c) Filtration
 - d) Crystallisation
- 2) Components of crude petroleum can be separated by:
 - a) Distillation
 - b) Evaporation
 - c) Filtration
 - d) Fractional distillation
- 3) Examples of a homogenous mixture is:

- a) Tap water
 - b) Distilled water
 - c) Sand and water
 - d) Water and Oil
- 4) In Chromatography the filter paper is:
- a) Stationary phase
 - b) Mobile Phase

- c) Mixture
 - d) None of the above
- 5) A set of mixtures is:
- a) Ink, honey, ice-cream, milk
 - b) Tap water, gold, common salt, alloy
 - c) Milk, brass, silver, honey
 - d) Butter, petroleum, tap water, iron

Short Question (2X3=6)

- 1) What do you understand by? -
- a) Metalloids
 - b) Noble gases
- 2) Name the main metal present in:

- a) Haemoglobin
 - b) Chalk
- 3) Mention any two characteristics of compound.

Long Questions (2X5=10)

- 4) Explain with diagram how can one separate a mixture of Sand, Saw-dust and Salt.
- 5) What is crystallisation? Explain by giving an example. Mention how it is a better technique as compared to evaporation.

