

FM-30 MARKS

Very Short questions (1X9=9)

- 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: -

- 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.

Write the symbols and valencies of the following radicals: (1X6=6)

- 1) Magnesium ion
- 2) Carbonate
- 3) Ammonium
- 4) Nitrate
- 5) Bisulphate
- 6) Oxide

Write the molecular formula of the following compounds.(1X10=10)

- a) Sodium sulphide
- b) Magnesium oxide
- c) Calcium hydroxide
- d) Hydrogen chloride

- e) Sulphuric acid
- f) Iron (II) Oxide
- g) Iron (III) Sulphide
- h) Nitric Acid
- i) Calcium Phosphate
- j) Aluminum sulphate

Long Question (1X5=5)

- 1) An element belongs to group II. What would be its valency? Write the formula of molecules of compounds it will form with elements in VA, VIA and VIIA groups

