

Question Bank (G scheme)

Name of subject: APPLIED CHEMISTRY

Unit Test :II

Subject code: 17103

Course : ALL

Semester: I

TOPIC -3) Metals & alloys (12-Marks)

(2-MARK QUESTION)

- 1) Define i) Mineral, ii) Ore iii) gangue iv) flux
- 2) Draw the step wise procedure for extraction of metal.
- 3) Define Ductility, toughness, tensile strength, Weldability, machinability, hardness.
- 4) Define-Alloys with example.
- 5) Define alloy. How they are classified.

3-marks questions

- 1) Distinguish between calcination & roasting (three points)
- 2) Give composition, properties, & applications of wood's metal.
- 3) Give composition, properties & application of Babbitt metal
- 4) What is concentration? Name the processes of concentration.

4-marks questions

- 1) Explain with diagram the gravity separation process used for concentration of iron ore.
- 2) Explain the froth floatation process for concentration of sulphide ore.
- 3) Explain magnetic separation process for the concentration of ore.
- 4) What is smelting? Draw labeled diagram of blast furnace.
- 5) Define alloys. Explain the fusion method for making alloys.
- 6) Give the purposes of making alloys.

TOPIC-4) Non metallic engineering materials (12)

2-MARK QUESTION

- 1) Define plastics and rubber.
- 2) Give the molecular formula of isoprene in it
- 3) Give any two properties of plastics.
- 4) Give any two uses of rubber.
- 5) Name any four synthetic rubber.

3-marks questions

- 1) Give properties and uses of thermocole.
- 2) Give properties and uses of glass wool.
- 3) What is polymerization? Explain with examples formation of plastic by addition polymerization.
- 4) Write difference between natural rubber and synthetic rubber.

4-marks questions

- 1) Write difference between thermo softening and thermosetting plastics.
- 2) What is rubber? give the drawbacks of rubber
- 3) Describe the process of vulcanization of natural rubber.
- 4) Give any four properties and corresponding uses of plastics.
- 5) Define thermal insulators. Give the characteristic properties of thermal insulator.

BEST OF LUCK.