

### Question Bank (G scheme)

Name of subject: APPLIED CHEMISTRY

Unit Test :I

Subject code: 17211

Course : CM/IF/EJ/IE/IS

Semester: II

#### Chapter 1-Metallurgy(Marks-12)

2 marks-

1. DEFINE -Metallurgy & Alloy
2. Define –concentration &roasting
3. Give two properties & uses of copper.
4. Give two properties & uses of application of aluminum metal.
5. Define Alloys & give its classification.

3 marks-

1. Write the ores of copper with chemical formula.
2. Write the ores of Aluminum with chemical formula.
3. Describe the process of Bessemerisation process.
4. What is the action of hydrochloric acid on Cu metal.

4 marks-

1. Explain electro refining of copper with help of figure.
2. Describe the process of refining of aluminum by electrolysis.
3. Describe electrolytic reduction of alumina.

#### Chapter 2-CORROSION (Marks -14)

2 marks-

1. Why is galvanized containers not used for storing food stuff?
2. Define Atmospheric corrosion.
3. Write the uses of metal cladding.
4. Define corrosion & give its types.
5. Give characteristics of paint.

3 marks-

1. Which types of oxide film is more corrosive? why?
2. Write composition, properties and application of rose metal & brazing alloy.
3. State principle of mechanism of atmospheric corrosion.
4. Write the factors affecting the rate of electrochemical corrosion.

4 marks-

1. Write the difference between galvanizing and tinning.
2. Write composition properties & application of soft solder & Tinman's solder.

3. Explain hydrogen evolution mechanism of electro-chemical corrosion with neat labeled diagram?
4. Describe briefly metal cladding process.
5. Explain the process of galvanization.
6. State & explain constituents of the paint.