Assignment

Class:12 Subject: Chemistry

Unit 1

PART - A

I. Multiple Choice Questions

1. The metal oxide which cannot be reduced to metal by carbon is

a. PbO b. Al2O3 c. ZnO d. FeO

2. Electrochemical process is used to extact

a. iron b. Lead c. Sodium d. Silver

3. Considering Ellingham diagram which of the following metals can be used to reduce alumina?

a. Fe b. Cu c. Mg d. Zn

4. In the electrolylic refining of copper which one of the following is used as anode?

a. pure copper b. impure copper c. carbon rod d. platinum electrode

5. Zinc is obtained from ZnO by

a. carbon reduction b. reduction using silver c. electro chemical process d. acid leaching

6. Which of the following is used for concentrating ore in metallurgy?

a. Leaching b. roasting c. froth flotation d. both a and c

7. Cupellation is a process used for the refining of

a. sssilver b. lead c. copper d. iron

8. Which acts as a collector in froth floatation process?

a. Methyl xanthate b. ethyl xanthate c. pine oil d. sodium cyanide

9. Zone refining process is based on ----------principle

a. Fractional distillation b. simple distillation c. liquefaction d. fractional crystallization

10. ---------is used in making luminous paints, fluorescent lights and x-ray screens.

a. Aluminium oxide b. copper c. zinc sulphide d. zinc oxide

PART - B

II. Very Short Answer.

1. Differentiate between minerals and ores
2. Which type of ores can be concentrated by froth floatation method give two examples for such ores.
3. Give any two uses of Aluminium
4. Write two limitations of Elingham diagram
5. Define roasting with one example.

PART – C

III. Short Answer

1. What is gravity separation process?
2. Define calcination with one example
3. Write about magnetic separation process
4. Write about electrolytic refining of silver
5. Describe a method for refining nickel

PART – D

IV. Write in detail.

1. Explain froth flotation process
2. Explain zone refining process