

EXTRACTIVE METALLURGY

- 1.What is a Dead Roast?
- 2.Write down a drawback of using a Multiple Hearth Roaster?
- 3.What is Autogenous Roasting?
- 4.Define Agglomeration?
- 5.What do you mean by Leaching?
- 6.Define Degree of Freedom?
- 7.Differentiate between Flash & Blast Roasting?
- 8.Write about the characteristics of smelting process?
- 9.Discuss about the role of flux and slag in smelting process?
- 10.Differentiate between Distillation and Sublimation?
- 11.How is Bacterial leaching different from pressure leaching?
- 12.Differentiate between Flash smelting & Matte Smelting?
- 13.State Faraday's Law of Electrolysis?
- 14.State the difference between Enthalpy & Entropy?
- 15.What are the various steps involved during recovery of a metal from Leach Liquor?
- 16.Define Electrode Potential of a Cell?
- 17.State Henry's Law?
- 18.Why agglomeration is done?
- 19.Write the significance of first order reaction in a Metallurgical Process?
- 20.Write the Basic Principle of Zone Refining?
- 21.Dow process is used in the extraction of _____?

22.Name a metal which can be reduced by Hydrogen?

23.Refining of silver is done by _____?

24. The size of the ore is finest in _____ leaching?

25.Heating of an ore in the absence of air below its melting point is called _____?

26.Name any three agglomeration process?

27.what are the various factors affecting Roasting?

28.Diffrentiate between Carbothermic reduction and Metallothermic reduction?

29.What is the criteria for selecting a Leaching Reagent?

30.Define Cyanidation?