Important Long-type. 1) Write the postulates and failure of Ruther ford's atomic model? 2) What are the postulates of Bohris atomic, model? 3) Electronic configurations [1-30] (mp(Except" - Cr, Cu) [H-Zn] (4) Différentiate between Jonic und Covalent Draw Structures of Nacl, Mycl2, 02, N2. H20, NH3, NHyt, H30+; S02. 6) postulates and limitations of! (a) Arthenius theory (b) Lowry-Bronsted theory (c) Lewis theory. D What are the different types of salts? Define them and give one example of each.

- (8) What are the applications of PH in Industries? (Importance of PH in Industry) 1 Differentiate between Strong and Weak electrolyte (10) What is Electrolysis? Describe the process of alectrolysis with the help of a Suitable diagram 1 Decoribe the process of electors yours of: (i) Molten/fused Nacl. (1i) Aqueons Nacl 12) State Faraday's law of Chectrolyen Explain. (Both the laws). C statement and mathematic expression). 13) What are the industrial applications of Cleetnolysis?
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(3) What is Corrosion? What do you mean by Waterline corrosion? (15) What is metallurgy? Describe its Steps. Describe various methods for the concentration of one (7) Describe briefly the process of Smelting Differentiate between Aliphatic and Afromatic Hydrocarbons. (9) Descoule Soda-lime method of removal of Hardness of Water. (20) What are the advantages of Hot lim over cold-line process-? 27 What is the purpose of hubrication? (Advantages of Cubricants). Scanned By Scanner Go

(22) Classification of Frels (23) Write Shortnotes on! Composition and use (b) Water gas. (24) Differentiate between Thermosetting and Thermoplastic Polymer and Thermosetting polymer. Bakelite - Formation, and uses
Advantages (26) Advantages of Vulcanised subter. (27) Bioferfilizers (28) Explain the Structure of atmosphere 29 Pollutants and its types. 30 Water pollution and sources of water pollution. 31) Air pollution with four major air pollutants 32) Depletion of Oscanned By Scanner Go

(33) Explain ion-exchange method of semoving hardness from water. (34) Distingnish between Safurafed and unsaturated Hydro carbons. 35) White the various methods employed for control of water follows on. (36) Explain dectrolytic refining with an example. (37) Explain the principle and working of a Cyclone Collector. (38) State different methods to control air pollution. (39) Acid Rain. Harmful effects of acid rais. Explain various methods to control water pollution.

(11) Composition and uses of Alloys. (92) Nomen clature of organic conjounds. CNG.
CNG.
Green house effect. (35) State and explain Aufbau principle (96) What are the methods of protection of corrosion? Explain, how troposphere is benefiting for living beings.

Explain bil-floatation method of Concentration of one (Froth floatation). (9) Electrostatic precipitator. (50) Cafalate Molarity, Normality and molality of solution.

Short notes also, gatrons of Scanned By Scanner Go