

1. Describe the construction of Voltaic cell with a neat diagram.
2. Explain Electrolysis. Write Faraday's laws of Electrolysis.
3. Discuss in detail the precautions to be taken while using electricity.
4. What is the work of Fuse?
5. Describe in short, Frasch method to obtain Sulphur.
6. Write the uses of Non-metals.
7. Explain the phenomenon of Blood-clotting.
8. Explain how vestigial organs support the theory of Evolution.
9. Describe the Refraction of light through a rectangular glass slab.
10. Explain the Lateral Shift.
11. Describe Hall-Heroult method to get pure Aluminium from
12. Alumina. (Diagram necessary)
13. State the different stages of Metallurgy and give information about each in short.
14. Describe the "Light Phase" of Photosynthesis process
15. Describe the human respiratory system in detail.
16. Explain the work of an Electric Generator with diagram.
17. What is concentration or enrichment of Ore? Explain the method of enrichment of ore containing Sulphide with diagram.
18. Explain Sex determination.
19. Explain allotropes of Sulphur.
20. Explain Bayer's method for obtaining Alumina from Bauxite with equation.