

Q.3 Short Answer Questions (Attempt any 10 out of 12)

[20]

1. Write different functions of H_2SO_4 in mixed acid.
2. Enlist the effects of nitrous acid on nitration.
3. List the factors which affects the Bechamp reduction.
4. Differentiate the term Sulfonation and Sulfation.
5. Write about chromic acid as an oxidizing agent.
6. Write applications of sulfonates.
7. List the catalysts used for Hydrogenation reaction.
8. Enlist various fluorinating agents.
9. Discuss about Iodination reactions.
10. Define term "Transesterification"
11. Give mechanism of Fridel Craft Alkylolation.
12. Enlist various Alkylating agents.

Q.4. Long Answer Questions (Attempt any Four)

[32]

1. Discuss Oxy-Nitration.
2. Explain different methods of reduction.
3. Write about manufacturing of Benzene Sulfonic acid by Barbet Process.
4. Write a note on: Oxydising agents and Oxidative reactions.
5. Discuss manufacturing of chlorobenzene.
6. Write about hardening of vegetable oil.
7. Write a note on: Hydrolysing agents.
8. Discuss about Catalytic Esterification.

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