

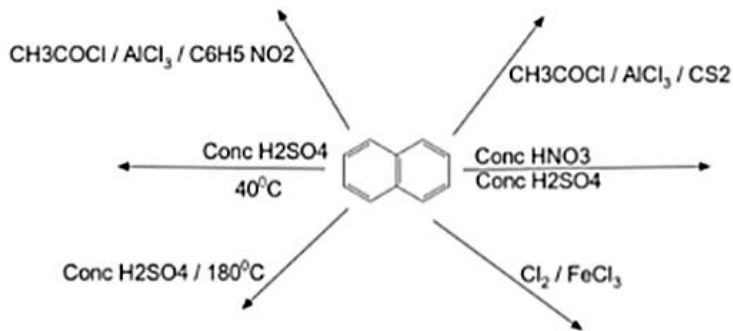


- 7 Presence of a nitro group in benzoic acid \_\_\_\_\_.
- a Strongly increases acidity
  - b Decreases acidity of benzoic acid drastically
  - c Has no effect on the acidity of benzoic acid
  - d Decreases acidity of benzoic acid moderately
- 8 The test to distinguishing primary, secondary and tertiary aromatic amines is \_\_\_\_\_.
- a Hinsberg Test
  - b Lucas Test
  - c. Test with nitrous acid
  - d. Liberman nitroso test
- 9 2-bromo-aniline is less basic than 4-bromoaniline because of \_\_\_\_\_.
- a Electron withdrawing effect of bromine
  - b Ortho effect
  - c Electron releasing effect of bromine
  - d Inductive effect
- 10 Which of the following is used for identification of volatile, water-soluble fatty acids?
- a Acid value
  - b Saponification value
  - c. Reichert Meissl value
  - d. Iodine value
- 11 Oxidation-Polymerization reaction of oil is called as \_\_\_\_\_.
- a Hardening
  - b Rancidity
  - c. Drying
  - d. Hydrolysis
- 12 Which of the following is angularly fused polynuclear aromatic hydrocarbon?
- a Biphenyl
  - b Naphthalene
  - c. Anthracene
  - d. Phenanthrene





e Predict the products of following reactions: (Any 5)



f

1) Define the following terms: i) Baeyer's strain ii) Torsional strain iii) Conformations

2) Discuss the mechanism of Sandmeyer reaction of aromatic amines

g What is acid value? Explain the procedure to determine acid value. Write significance of acid value in analysis of oils.

h 1) Discuss various tests and reactions used for qualitative analysis of phenols

2) Write the structure and uses of cresols and resorcinol.

i Identify aromatic compounds from the following and justify with suitable reason

