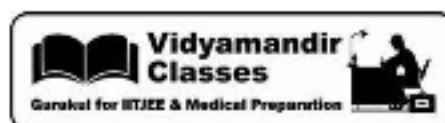


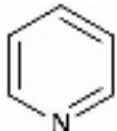
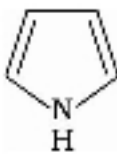

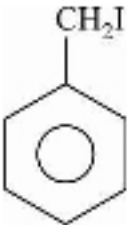
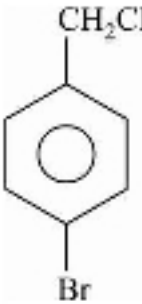


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of 2



Date Planned : __ / __ / __	Daily Tutorial Sheet-5	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level-1	Exact Duration : _____

61. For the purification, isolation and separation of organic compounds, the latest technique followed is :
- (A) Chromatography (B) Steam distillation  
(C) Fractional crystallisation (D) Sublimation
62. A mixture of camphor and benzoic acid can be separated by :
- (A) Sublimation (B) Extraction with a solvent  
(C) Chemical method (D) Fractional crystallisation
63. Which method is used to separate sugars ?
- (A) Fractional crystallisation (B) Sublimation  
(C) Chromatography (D) Benedict's reagent
64. A mixture of o-nitrophenol and p-nitrophenol can be separated by :
- (A) Fractional crystallisation (B) Sublimation  
(C) Chemical separation (D) Steam distillation
65. A liquid decomposes at its normal boiling point. It can be purified by :
- (A) Sublimation (B) Steam distillation  
(C) Vacuum distillation (D) Fractional distillation
- \*66. In which of the following compounds Kjeldahl method is not applicable for estimation of nitrogen ?
- (A)  $\text{CH}_3\text{CH}_2\text{NO}_2$  (B)  $\text{C}_6\text{H}_5 - \text{N} = \text{N} - \text{C}_6\text{H}_5$   
(C)  (D) 
67. 0.25 g of an organic compound on Kjeldahl's analysis gave enough ammonia to just neutralise  $10\text{cm}^3$  of 0.5 M  $\text{H}_2\text{SO}_4$ . The percentage of nitrogen in the compound is :
- (A) 28 (B) 56 (C) 14 (D) 112
68. Which one of the following gives white precipitate with  $\text{AgNO}_3$  ?
- (A)  (B)  (C)  (D) None of these
69. Which of the following complex formation indicates presence of sulphur in the organic compound when sodium nitroprusside is added to sodium extract of the compound ?
- (A)  $\text{Fe}_4[\text{Fe}(\text{CN})_6]_3$  (B)  $\text{Na}_2[\text{Fe}(\text{NO})(\text{CN})_5]$   
(C)  $\text{Fe}_4(\text{CNS})_3$  (D)  $\text{Na}_4[\text{Fe}(\text{CN})_5\text{NOS}]$