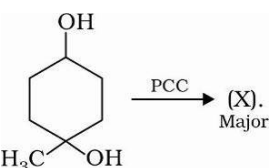
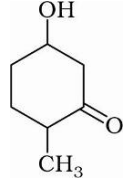
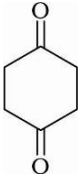
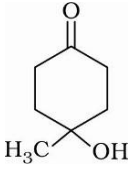

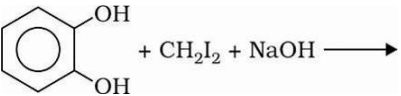
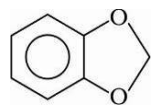
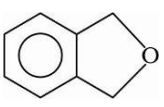
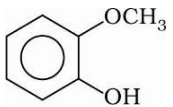
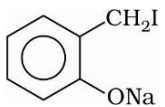


37. . The major product of the given reaction is :
 (A)  (B)  (C)  (D) 
38. Phenol is more acidic than alcohol because :
 (A) phenol is more soluble in polar solvents (B) alcohol does not lose hydrogen atom
 (C) phenoxide ion is stabilised by resonance (D) phenoxide ion doesn't exhibit resonance
39. When benzene sulphonic acid and *p*-nitrophenol are treated with NaHCO_3 , the gases released respectively are :
 (A) SO_2, NO_2 (B) SO_2, NO (C) SO_2, CO_2 (D) CO_2, CO_2
40. Which one of the following compounds will not react with CH_3MgBr ?
 (A) Ethylacetate (B) Acetone (C) Dimethylether (D) Ethanol
41. The boiling point of ethanol (molecular weight = 46) is 78°C , what can be the boiling point of diethyl ether? (Molecular weight = 74)
 (A) 100°C (B) 78°C (C) 86°C (D) 34°C
42. The products obtained when Benzyl phenyl ether is heated with HI in the mole ratio 1 : 1 are :
 1. Phenol 2. Benzyl alcohol 3. Benzyl iodide 4. Iodobenzene
 The correct choice is :
 (A) 1 and 3 only (B) 3 and 4 only (C) 1 and 4 only (D) 2 and 4 only
43. 
 The product is :
 (A)  (B)  (C)  (D) 
44. In Williamson's synthesis, ethoxy ethane is best prepared by :
 (A) passing ethanol over heated alumina at 350°C
 (B) heating sodium ethoxide with ethyl bromide
 (C) treating ethyl alcohol with excess of H_2SO_4 at 430-440K
 (D) heating ethanol with dry Ag_2O
45. Phenol undergoes electrophilic substitution more easily than benzene because :
 (A) OH group exhibits +M effect and hence increase the electron density on the o- and p-positions
 (B) Oxocation is more stable than the carbocation
 (C) Both A and B
 (D) -OH group exhibits acidic character