

- (viii) Which of the following agent is used in order to make benzene react with chloride to give acetophenone?
- a) Ultraviolet light
b) $AlCl_3$ catalyst
c) Platinum catalyst
d) Al_2O_3 catalyst
- (ix) Select which of the following will react with methyl group rather than the benzene ring in methylbenzene-
- a) CH_3Cl in the presence of $AlCl_3$
b) Chlorine in the presence of uv light
c) CH_3COCl in the presence of $AlCl_3$
d) Hydrogen in the presence of nickel
- (x) Phenol on distillation with zinc dust gives _____
- a) Phenylzinc
b) Benzene
c) Cyclohexanone
d) Benzoic acid
- (xi) Select the correct option. Use of saccharin:
- a) Sweetening agent
b) Bitter tonic
c) Flavoring agent
d) Colouring agent
- (xii) Select the correct option-Benzene having the formula
- a) $C_{10}H_{10}$
b) C_4H_4
c) C_6H_6
d) C_6H_{12}
- (xiii) Select the correct option-Bromine reacts with benzene to form
- a) bromo benzene
b) iso benzene
c) meta benzene
d) None of these
- (xiv) Select the correct option- The C-H bond of Benzene is due to
- a) s-s electrons
b) sp^2 -s electrons
c) sp-sp electrons
d) sp^2 - sp^2 electrons
- (xv) Choose which amine is not soluble in water-
- a) Methylamine
b) Trimethylamine
c) Dimethylamine
d) All are soluble in water
- (xvi) Choose the correct option. Boiling point of phenol is _____
- a) 420 C
b) 1000 C
c) 1820 C
d) 00 C
- (xvii) Choose the correct option. Para amino benzoic acid have
- a) Vitamin Activity
b) Vinegar
c) Aspirin
d) Goat acid
- (xviii) Choose the correct option. Rancid butter is due to the formation of
- a) Butyric acid
b) malic acid
c) caproic acid
d) Tartaric acid
- (xix) Choose the correct option. Rancidity of fat is due to _____
- a) Hydrolysis of ester bond
b) Hydrogenation of unsaturated bond
c) Addition of halogen
d) Substitution Reaction
- (xx) Storage form of lipid in plants and animals
- a) Triglycerol
b) Cholesterol
c) Cholic Acid
d) Phospholipid

Group-B

(Short Answer Type Questions)

5 x 7=35

2. Describe the structure, preparation and uses of Chloramine. (5)
3. Explain the significance & principle involved in determination of RM value? (5)
4. Explain about phenol and Discuss their nomenclature and physical properties. (5)
5. Describe structure and uses of Saccharin (5)
6. Explain the significance of RM value to analyze Fats or oils. (5)
7. Explain any two chain Opening reactions of Cycloalkane. (5)