

- 1) Chloropicrin is obtained by the reaction of
 - a) Steam on carbon tetrachloride
 - b) Nitric acid on chlorobenzene
 - c) Chlorine on picric acid
 - d) Nitric acid on chloroform
- 2) 1-chlorobutane on reaction with alcoholic potash gives
 - a) but-1-ene
 - b) butan-1-ol
 - c) but-2-ene
 - d) butan-2-ol
- 3) Hexachloroethane is also called
 - a) Artificial sweetner
 - b) Artificial camphor
 - c) Artificial polymer
 - d) None
- 4) Which of the following has highest chlorine content?
 - a) Pyrene
 - b) DDT
 - c) Chloral
 - d) BHC
- 5) Among the following which one has the weakest carbon-halogen bond?
 - a) Benzyl Bromide
 - b) Bromobenzene
 - c) Vinyl bromide
 - d) Benzyl Bromide
- 6) Alkyl halides are less soluble in water because
 - a) They ionise in water
 - b) They do not form H-Bonds with water
 - c) They are highly viscous
 - d) They have very strong C—X Bond
- 7) What happens If CCl_4 is treated with AgNO_3
 - a) A white ppt. of AgCl will form
 - b) NO_2 will be evolved
 - c) CCl_4 will dissolve in AgNO_3
 - d) Nothing will happen
- 8) An ethereal solution of alkyl halide is heated with sodium metal. The reaction is ?
 - a) Frankland's reaction
 - b) Sandmeyer's reaction
 - c) Wurtz fittig reaction
 - d) Wurtz reaction
- 9) Which one of the following gives only one monochloro derivative?
 - a) n-hexane
 - b) 2-methylpentane
 - c) 2,3-dimethylpentane
 - d) 3-methylpentane
 - e) neo-pentane
- 10) chloroform on reduction with zinc dust and water gives
 - a) methyl chloride
 - b) dichloro methane
 - c) chloromethane
 - d) methane
- 11) Iso-propyl bromide on wurtz-reaction gives-
 - a) heaxane
 - b) propane
 - c) 2,3-dimethylbutane
 - d) neo-heaxane
- 12) $\text{CH}_3\text{CH}_2\text{CH}_2\text{Br} \xrightarrow{\text{KOH/alcohol}} \text{CH}_3\text{CH}=\text{CH}_2$ is example of-
 - a) Substitution
 - b) Elimination
 - c) Addition
 - d) Rearrangement

13) When ethyl iodide is heated with dry silver oxide, it forms

- a) ethyl alcohol
- b) diethyl ether
- c) silver ethoxide
- d) ethyl methyl ether

14) Which of the following alkyl halides is hydrolysed by S_N2 mechanism?

- a) $C_6H_5CH_2Br$
- b) CH_3Br
- c) $CH_2=CHCH_2Br$
- d) $(CH_3)_3CBr$

15) Which one of the most reactive towards S_N1 reaction?

- a) $C_6H_5CH_2Br$
- b) $C_6H_5CH(C_6H_5)Br$
- c) $C_6H_5CH(CH_3)Br$
- d) $C_6H_5C(CH_3)(C_6H_5)Br$

16) On warming with silver powder, chloroform is converted into

- a) acetylene
- b) Hexachloroethane
- c) 1,1,2,2-tetrachloroethane
- d) ethylene

17) Which of the following compounds is not formed in the iodoform reaction of acetone?

- a) CH_3COCH_2I
- b) ICH_2COCH_2I
- c) CH_3COCHI_2
- d) CH_3COCl_3

18) Which of the compounds when brominated turns to meso 2, 3-dibromobutane?

- a) Cis-2-butene
- b) Iso-butane
- c) Butane
- d) Trans-2-butene

19) Iodoform can be prepared from all except:

- a) 3-methyl-2-butanone
- b) Isobutyl alcohol
- c) Ethyl methyl ketone
- d) Isopropyl alcohol

20) The synthesis of alkyl fluorides is best accomplished by:

- a) Free radical fluorination
- b) Sandmeyer's reaction
- c) Finkelstein reaction
- d) Swarts reaction