

- 1) when $\text{CH}_3\text{CH}_2\text{Br}$ reacts with sodium acetylide the main product is-
 - a) 1-butyne
 - b) 1-butene
 - c) 1-butane
 - d) 1-butane
- 2) Chloroform, on warming with Ag powder, gives-
 - a) C_2H_6
 - b) C_3H_6
 - c) C_2H_4
 - d) C_2H_2
- 3) Which one of the following shows haloform test?
 - a) Butanol-2
 - b) Butanol-1
 - c) 2-methyl hexane
 - d) 2-methyl propane
- 4) When chlorobenzene is heated with chloral in presence of the little conc. H_2SO_4 , the product obtained is-
 - a) DDT
 - b) BHC
 - c) Lindane
 - d) Melathion
- 5) Wurtz's reaction involves the reduction of alkyl halide
 - a) Zn/HCl
 - b) HI
 - c) Zn/Cu couple
 - d) Na in ether
 - e) Zn in an inert solvent
- 6) In the reaction sequence,

$$\text{C}_2\text{H}_5\text{Cl} + \text{KCN} \xrightarrow{\text{C}_2\text{H}_5\text{OH}} \text{X}$$

$$\text{X} \xrightarrow[\text{H}_2\text{O}]{\text{H}_3\text{O}^+} \text{Y}$$
 - a) $\text{C}_{23}\text{H}_6\text{O}_2$
 - b) $\text{C}_{23}\text{H}_5\text{N}$
 - c) $\text{C}_2\text{H}_4\text{O}_2$
 - d) $\text{C}_2\text{H}_6\text{O}$
- 7) When CHCl_3 is boiled with NaOH , it gives-
 - a) formic acid
 - b) trihydroxy methane
 - c) acetylene
 - d) sodium formate
- 8) Molecular formula of chloropicrin is
 - a) CHCl_3NO_2
 - b) CCl_3NO_3
 - c) CCl_2NO_2
 - d) CCl_3NO_2
- 9) Ethyl chloride is converted into diethyl ether by-
 - a) Perkin reaction
 - b) griganrd reagent
 - c) wurtz reaction
 - d) williamson's synthesis
- 10) Best method for preparing alkyl chloride is
 - a) $\text{ROH} + \text{SOCl}_2$
 - b) $\text{ROH} + \text{PCl}_5$
 - c) $\text{ROH} + \text{PCl}_3$
 - d) $\text{ROH} + \text{HCl}$ in presence of Anhy. ZnCl_2
- 11) Which of the following compound gives trichloromethane on distilling with bleaching powder?
 - a) methanal
 - b) Phenol
 - c) Ethanol
 - d) Methanol
- 12) CHCl_3 is tested prior to its use as anaesthetic, by-
 - a) $\text{AgNO}_3 + \text{HCl}$
 - b) HCl
 - c) AgNO_3
 - d) None of these
- 13) Which of the following alcohol gives positive iodoform test?
 - a) Methanol
 - b) Ethyl carbinol
 - c) Pentanol-3
 - d) Methyl carbinol
- 14) The chemical formula of *tear gas* is-
 - a) COCl_2
 - b) CO_2
 - c) Cl_2
 - d) CCl_3NO_2
- 15) Which of the following compound give yellow precipitate with I_2 and NaOH ?
 - a) CH_2OH
 - b) $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$
 - c) $\text{C}_2\text{H}_5\text{OC}_2\text{H}_5$
 - d) $\text{CH}_3\text{CH}_2\text{OH}$