

Gaining Apex Coaching Centre

(Where Toppers make..... Toppers)

Compiled By: Dapinder Sir

DPP
DAILY PRACTICE PROBLEMS

CLASS : XIIth

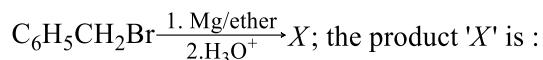
DATE :

SUBJECT : CHEMISTRY

DPP NO. : 3

Topic :-HALOALKANES AND HALOARENES

1. In the following reaction:



- a) $\text{C}_6\text{H}_5\text{CH}_2\text{OCH}_2\text{C}_6\text{H}_5$ b) $\text{C}_6\text{H}_5\text{CH}_2\text{OH}$ c) $\text{C}_6\text{H}_5\text{CH}_3$ d) $\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{C}_6\text{H}_5$

2. For a given alkyl group, the densities/b. p./m. p. are in the order:

- a) $\text{RI} < \text{RBr} < \text{RCl}$ b) $\text{RI} < \text{RCl} < \text{RBr}$
c) $\text{RBr} < \text{RI} < \text{RCl}$ d) $\text{RCl} < \text{RBr} < \text{RI}$

3. Carbylamine test is performed by heating alc. KOH with:

- a) CHCl_3 and Ag
b) Trihalogenated methane and primary amine
c) CH_3Cl and $\text{C}_2\text{H}_5\text{NH}_2$
d) RCN and RNH_2

4. Which of these compounds is synthesised by chloral?

- a) DDT b) BHC c) Chloroform d) Michlers ketones

5. Iodoform can be prepared from all except:

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

6. When vinyl chloride is passed through alcoholic KOH solution:

- a) It dissolves b) It forms vinyl alcohol c) It forms acetylene
d) It has no action

7. Following compounds are given:

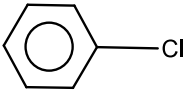
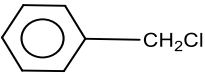
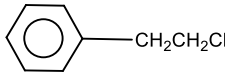
- (i) $\text{CH}_3\text{CH}_2\text{OH}$ (ii) CH_3COCH_3
(iii) $\text{CH}_3-\underset{\text{CH}_3}{\text{CH}}\text{OH}$ (iv) CH_3OH

Gaining Apex Coaching Centre

(Where Toppers make..... Toppers)

Compiled By: Dapinder Sir

Which of the above compound(s), on being warmed with iodine solution and NaOH, will give iodoform?

- a) (i),(iii) and (iv) b) Only (ii) c) (i), (ii) and (iii) d) (i) and (ii)
8. DDT is obtained by the reaction of chlorobenzene with
a) Chloral b) Chloroform c) Dichloromethane d) Acetaldehyde
9. The reaction products of the reaction between $C_6H_5NH_2$, $CHCl_3$ and KOH are:
a) $C_6H_5NC + KCl$
b) $C_6H_5OH + NH_4Cl + H_2O$
c) $C_6H_5Cl + NH_4Cl + KCl$
d) $C_6H_5CN + KCl$
10. In the reaction,
 $CH_3C \equiv \bar{C} Na^+ + (CH_3)_2CHCl \rightarrow$
the product formed is:
a) 4-methyl-2-pentyne b) Propyne c) Propyne and propene d) None of these
11. Which one of the following chlorohydrocarbons readily undergoes solvolysis?
- a) $CH_2 = CHCl$
- b) 
- c) 
- d) 
12. Grignard reagent with hydrogen cyanide gives:
a) Aldehyde b) Ketone c) Both (a) and (b) d) None of these
13. 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
14. Among the following which one has weakest carbon-halogen bond?
a) Benzyl bromide b) Bromobenzene c) Vinyl bromide d) Benzyl chloride
15. Of the five isomeric hexanes, the isomer which can give two monochlorinated compounds is
a) 2-methylpentane b) 2,2-dimethylbutane c) 2,3-dimethylbutane d) n-hexane
16. Which of the following compounds gives trichloromethane on distilling with bleaching powder?

Gaining Apex Coaching Centre

(Where Toppers make..... Toppers)

Compiled By: Dapinder Sir

a) Methanal

b) Phenol

c) Ethanol

d) Methanol

17. Sodium ethoxide reacts with ethyl iodide to yield:

a) CH_3CH_3

b) $\text{C}_2\text{H}_5\text{OCH}_3$

c) $\text{C}_2\text{H}_5\text{OC}_2\text{H}_5$

d) None of these

18. $\text{CH}_3\text{Br} + \text{KCN (alc.)} \rightarrow X \xrightarrow[\text{Na/C}_2\text{H}_5\text{OH}]{\text{Reduction}} Y$, what is Y in the series?

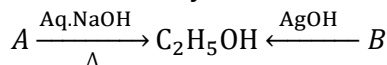
a) CH_3CN b)

$\text{C}_2\text{H}_5\text{CNC}$

$\text{C}_2\text{H}_5\text{NH}_2$ d)

CH_3NH_2

19. Identify A and B in the following reactions



a) $A = \text{C}_2\text{H}_2, B = \text{C}_2\text{H}_6$ b)

$A = \text{C}_2\text{H}_5\text{Cl}, B = \text{C}_2\text{H}_4$

c) $A = \text{C}_2\text{H}_4, B = \text{C}_2\text{H}_5\text{Cl}$ d)

$A = \text{C}_2\text{H}_5\text{Cl}, B = \text{C}_2\text{H}_5\text{Cl}$

20. The reagent used in the conversion of 1-butanol to 1-bromobutane is:

a) CHBr_3

b) Br_2

c) CH_3Br

d) $\text{P} + \text{Br}_2$