

Gaining Apex Coaching Centre

(Where Toppers make..... Toppers)

Compiled By: Dapinder Sir

DPP
DAILY PRACTICE PROBLEMS

CLASS : XIIth

CHEMISTRY

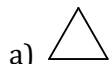
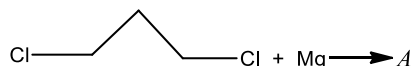
DATE :

SUBJECT :

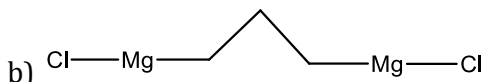
DPP NO. : 2

Topic :-HALOALKANES AND HALOARENES

1. What is the product *A* in the following?

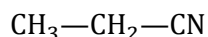
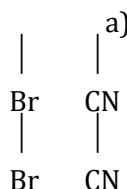
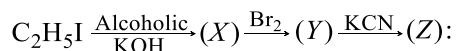


c) Both (a) and (b)

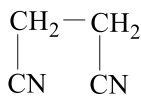


d) None of the above

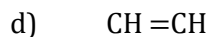
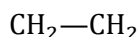
2. Identify (Z) in the following reaction series,



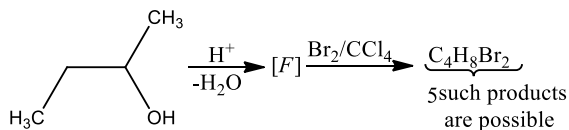
c)



d)



3. How many structures of *F* is possible?



a) 2

b) 5

c) 6

d) 3

4. PVC plastics are produced by the polymerization of:

a) Vinyl acetate

b) Allyl chloride

c) Vinyl chloride

d) Ethene

5. Ethylene dichloride can be prepared by the reaction of HCl and :

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- a) Ethane b) Ethylene c) Acetylene d) Ethylene glycol
6. Polymer of chloroethylene is:
a) PVC b) Teflon c) Nylon d) Terylene
7. Most readily hydrolysed halides is:
a) C_6H_5Cl b) $(C_6H_5)_2CHCl$ c) $C_6H_5CH_2Cl$ d) $(C_6H_5)_3CCl$
8. What is the product of the reaction of 1, 3-butadiene with Br_2 ?
a) 1, 4-dibromo butene b) 1, 2- dibromo butene
c) 3, 4- dibromo butene d) 2, 3- dibromo-2-butene
9. Chlorobenzene gives aniline with
a) NH_3/Cu_2O NH_3/H_2SO_4 $NaNH_2$ d) None of the above
10. In the following compound, least number of monochlorination is possible
- a) $CH_3CH_2CH_2CH_2CH_3$

c) $\begin{array}{c} CH_3 \\ | \\ H_3C - C - H \\ | \\ CH_3 \end{array}$

b) $\begin{array}{c} H_3C - CH - CH_2 - CH_3 \\ | \\ CH_3 \end{array}$

d) $\begin{array}{c} CH_3 \\ | \\ CH_3 \\ | \\ H_3C - C - CH_3 \\ | \\ CH_3 \end{array}$
11. 2, 2-dichloro propane on hydrolysis yields
a) Acetone b) 2, 2-propane diol
c) Isopropyl alcohol d) Acetaldehyde
12. The product of vinyl chloride and HCl is a
a) *gem* chloride b) Ethylidene chloride
c) 1, 1 dichloroethane d) All of the above are correct
13. Among the following, the molecule with the highest dipole moment is:
a) CH_3Cl b) CH_2Cl_2 c) $CHCl_3$ d) CCl_4
14. CO_2 on reaction with C_2H_5MgBr and H_2O gives:
a) Ethane b) Propionic acid c) Acetic acid d) None of these

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15. Methyl chloride reacts with silver acetate to yield:
a) Acetic acid b) Methyl acetate c) Acetyl chloride d) Acetaldehyde
16. A compound *A* of formula $C_3H_6Cl_2$ on reaction with alkali can give *B* of formula C_3H_6O or *C* of formula C_3H_4 . *B* on oxidation gave a compound of the formula $C_3H_6O_2$. *C* with dilute H_2SO_4 containing Hg^{2+} ion gave *D* of formula C_3H_6O , which with bromine and NaOH gave the sodium salt of $C_2H_4O_2$. Then *A* is:
a) $CH_3CH_2CHCl_2$
b) $CH_3CCl_2CH_3$
c) $CH_2ClCH_2CH_2Cl$
d) $CH_3CHClCH_2Cl$
17. Compounds formed, when methyl amine is heated with chloroform in the presence of KOH is:
a) $CH_3-C\equiv N$ b) $CH_3N^+\equiv C^-$ c) $CH_3-N^-\equiv C^+$ d) CH_3NHCH_3
18. Tertiary butyl alcohol gives tertiary butyl chloride on treatment with
a) Conc. HCl/anhy. $ZnCl_2$ b) KCN c) NaOCl d) Cl_2
19. The reaction of toluene with Cl_2 in presence of $FeCl_3$ gives predominantly
a) Benzoyl chloride b) Benzyl chloride
c) *o*- and *p*-chlorotoluene d) *m*-chlorotoluene
20. Which one of the following compounds when heated with KOH and a primary amine gives carbylamine test?
a) $CHCl_3$ b) CH_3Cl c) CH_3OH d) CH_3CN