

# DPP

DAILY PRACTICE PROBLEMS

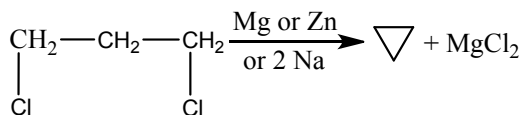
CLASS : XII<sup>th</sup>  
DATE :

SOLUTION

SUBJECT : CHEMISTRY  
DPP NO. :2

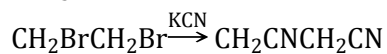
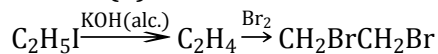
## Topic :-HALOALKANES AND HALOARENES

1 (a)

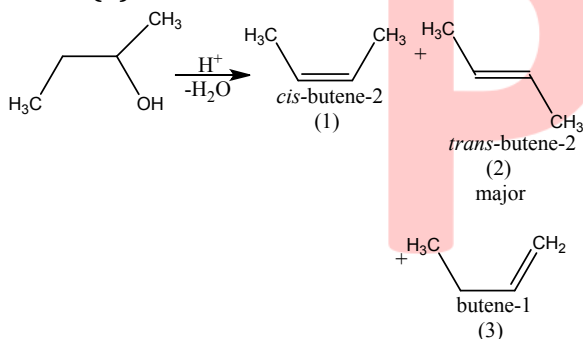


$\alpha$  and  $\omega$ -dihalogen derivative of an alkane on treatment with Mg or Zn or Na gives cycloalkane.

2 (b)

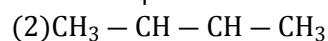
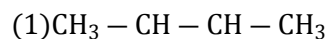


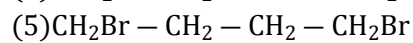
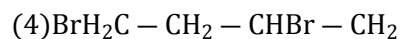
3 (d)



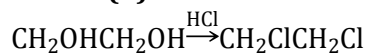
In [F] order of quantity of alkene  $2 > 1 > 3$

These on addition with  $\text{Br}_2/\text{CCl}_4$  to give their addition products which have  $\text{C}_4\text{H}_6\text{Br}_2$  as molecular formula.





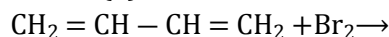
5 (d)



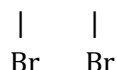
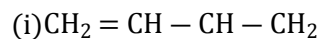
7 (d)

Tertiary carbonium is most stable.

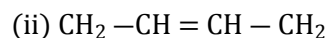
8 (a)



1,3-butadiene



3,4-dibromo butane

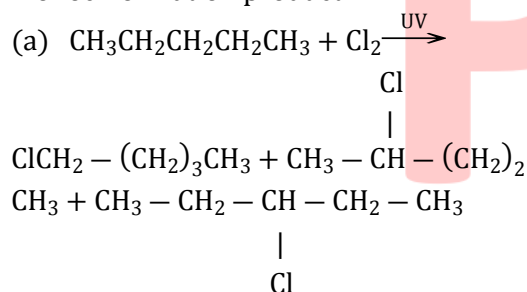


1,4-dibromo-2-butene

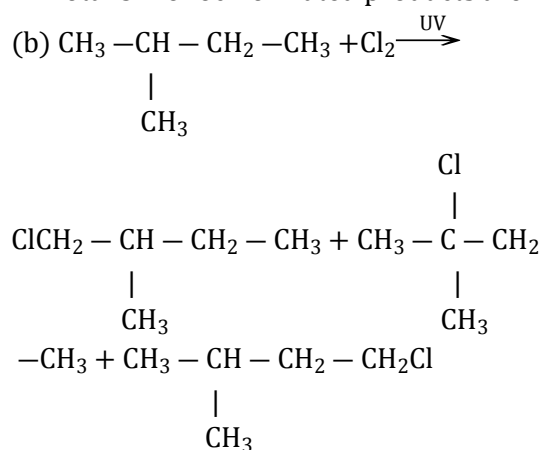
1,4-adduct is more stable than the 1,2-adduct.

10 (d)

Write chlorination reaction for all of them to find which gives of the maximum number of monochlorination product.



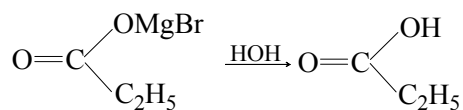
∴ Total 3 monochlorinated products are formed.



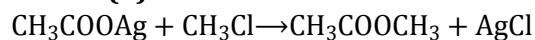
∴ Total 3 monochlorinated products are formed.



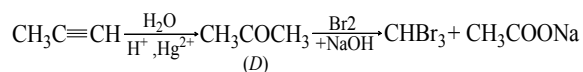
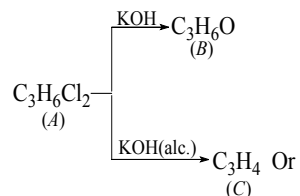




15 (b)



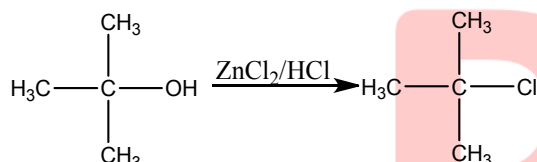
16 (a)



Since, B and D are different thus, B is  $\text{CH}_3\text{CH}_2\text{CHO}$  and so A is  $\text{CH}_3\text{CH}_2\text{CHCl}_2$ .

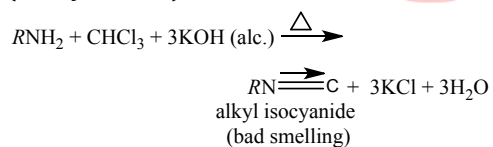
18 (a)

Tertiary alcohols readily react with Lucas reagent ( $\text{ZnCl}_2/\text{conc. HCl}$ ) to give white turbidity due to the formation of halide.



20 (a)

Carbylamine test is a characteristic test of aliphatic and aromatic primary amines. In this test, amine is heated with chloroform and alcoholic potash when a bad smelling isocyanide (carbylamine) is formed.



in ether.

ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	A	B	D	C	D	A	D	A	A	D
Q.	11	12	13	14	15	16	17	18	19	20
A.	A	D	A	B	B	A	B	A	C	A

PE