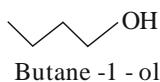


UNIT TEST-03

Subject : Chemistry
Class : XII

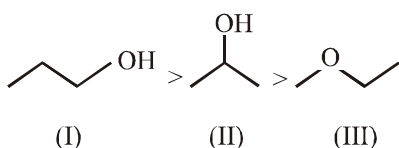
Q.1 (2)	Q.2 (2)	Q.3 (2)	Q.4 (2)	Q.5 (3)	Q.6 (2)	Q.7 (2)	Q.8 (4)	Q.9 (3)	Q.10 (4)
Q.11 (2)	Q.12 (3)	Q.13 (1)	Q.14 (1)	Q.15 (4)	Q.16 (3)	Q.17 (2)	Q.18 (3)	Q.19 (4)	Q.20 (4)
Q.21 (2)	Q.22 (3)	Q.23 (3)	Q.24 (4)	Q.25 (3)	Q.26 (2)	Q.27 (4)	Q.28 (2)	Q.29 (3)	Q.30 (2)
Q.31 (4)	Q.32 (1)	Q.33 (3)	Q.34 (1)	Q.35 (4)	Q.36 (1)	Q.37 (2)	Q.38 (4)	Q.39 (3)	Q.40 (2)
Q.41 (4)	Q.42 (3)	Q.43 (2)	Q.44 (4)	Q.45 (4)	Q.46 (4)	Q.47 (2)	Q.48 (3)	Q.49 (2)	Q.50 (2)

Q.1 (2)



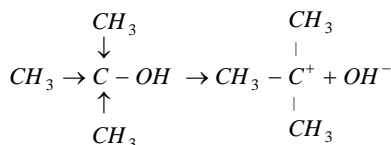
Q.2 (2)

The order of boiling point is



Q.3 (2)

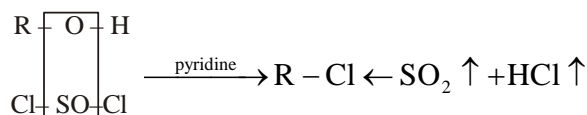
Tertiary alcohol readily reacts with halogen acid



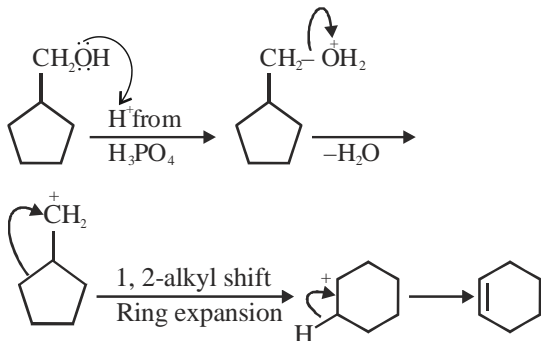
Presence of 3 alkyl group increases electron density on 3° carbon atom. Hence $-\text{OH}$ group is easily removed. After the removal of group carbonium ion is formed which is most stable

Q.4 (2)

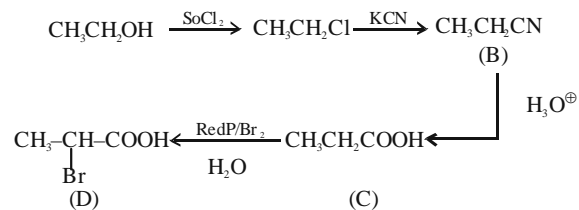
Reaction with thionyl chloride (darzan method)



Q.5 (3)



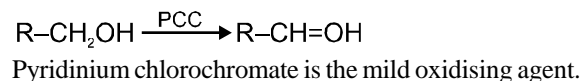
Q.6 (2)



Q.7 (2)

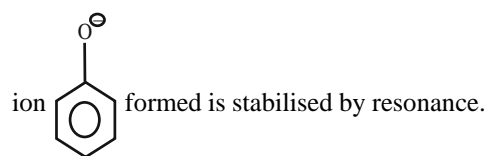
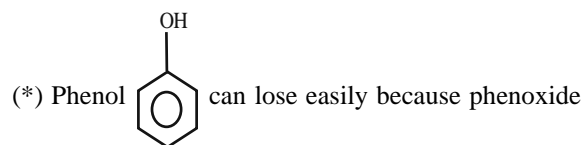
Iodoform reaction can be used for this transformation.

Q.8 (4)



Q.9 (3)

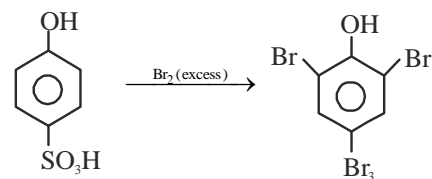
(*) Both alcohols & phenol are weak acid, the alcohols are less acidic than phenol because it is very tough to remove (H) ion from alcohol.



Q.10 (4)

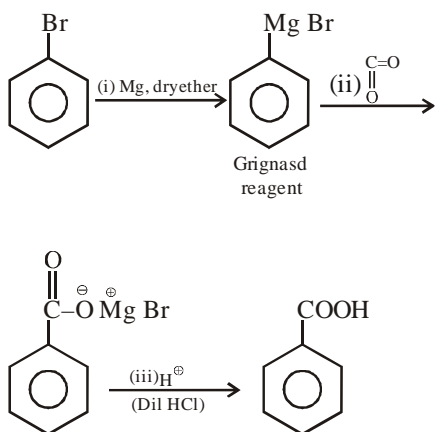
Q.11 (2)

Q.12 (3)



$-\text{OH}$ \rightarrow electro Donating group and Ortho-Para directing
 $-\text{SO}_3\text{H}$ \rightarrow good leaving group

Q.48 (3)



Q.49 (2)

$-\text{COOH}$ and $-\text{OH}$ group form the hydrogen bond by which they have high boiling point. $-\text{COOH}$ group show strong hydrogen bonding so it form dimer and have more boiling point than $-\text{OH}$ group. While $-\text{CHO}$ group do not form hydrogen bond. Thus the reactivity order are as $3 > 1 > 2$.

Q.50 (2)

