

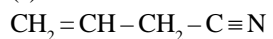
UNIT TEST-04

Subject : Chemistry

Class : XI

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

Q.1 (1)



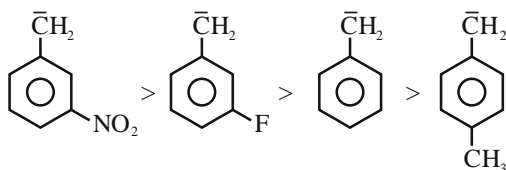
σ - bond π - bond

9 3

Ratio 3 : 1

Q.2 (2)

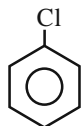
Stability order



presence of [-I] group will increase the stability of carbanion.

Q.3 (1)

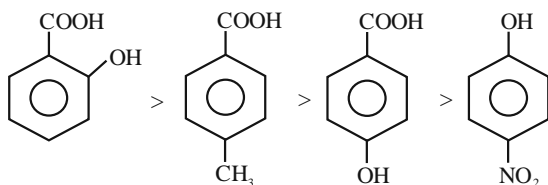
Q.4 (3)



-Cl shows +m effect that's why it is O, P-directing

Q.5 (2)

Q.6 (3)

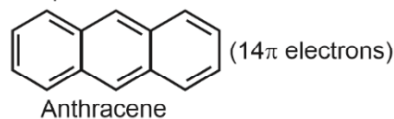
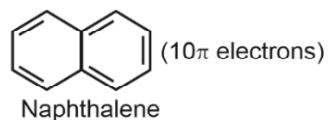


Q.7 (3)

Ortho effect.

Q.8 (3)

Q.9 (1)



Q.10 (2)

Q.11 (2)

Q.12 (2)

Q.13 (1)

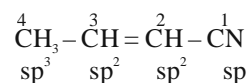
Q.14 (3)

In the compound 3 (C = C) with different substituent so total G. Isomer = 6

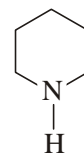
Q.15 (2)

Q.16 (4)

Q.17 (2)



Q.18 (3)

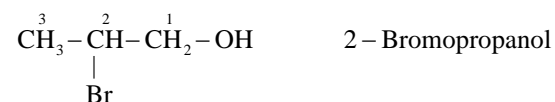


it is not homocyclic since hetero atom is present within the ring.

Q.19 (4)

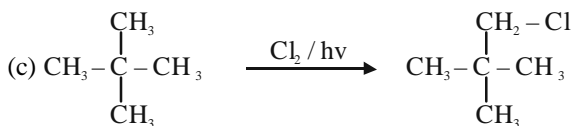
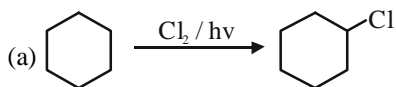
Q.20 (3)

Q.21 (2)



Q.22 (2)

Q.23 (2)



Q.24 (2)

Q.25 (2)

Best for symmetrical alkane.

Q.26 (2)

Formed only one ozonized product that is $\begin{array}{c} \text{CHO} \\ | \\ \text{CHO} \end{array}$

Q.27 (1)

Hydrogenation $\rightarrow \text{H}_2/\text{Ni}$ De HydroHologeneration $\rightarrow \text{Ale} \cdot \text{KOH}$ De Hydration $\rightarrow \text{Conc} \cdot \text{H}_2\text{SO}_4/\Delta$ Hydration $\rightarrow \text{H}_3\text{O}^{\oplus}$

Q.28 (2)

Q.29 (4)

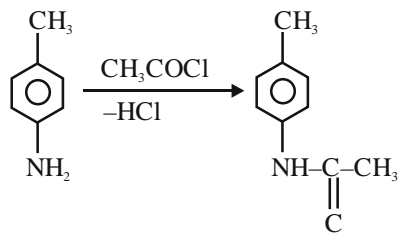
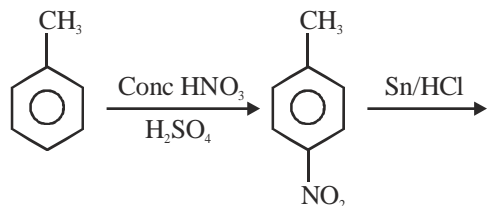
Q.30 (3)

Q.31 (3)

Q.32 (4)

Acidic strength \propto Stability of conjugate baseE.N. $\rightarrow \text{sp} \text{ carbon} > \text{sp}^2 \text{ carbon} > \text{sp}^3 \text{ carbon}$

Q.33 (3)



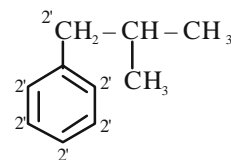
Q.34 (3)

Hint:- decolourise bromine water do not show properties of Aromatic compounds

Q.35 (4)

Reaction is called Wurtz fittig reaction.

Q.36 (3)

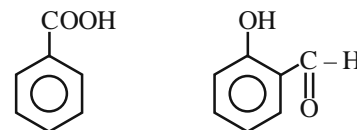


7, 2'H are present in the compound.

Q.37 (4)

All are correct statement (fact Based)

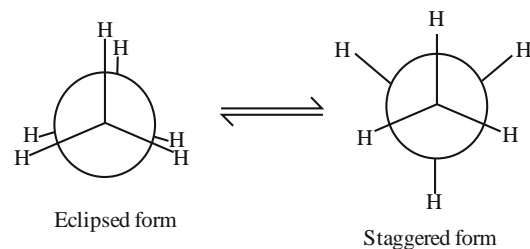
Q.38 (2)



Both are functional isomer of each other.

Q.39 (2)

Q.40 (4)

 $\text{CH}_3 - \text{CH}_3 \Rightarrow \text{Ethane}$ 

• both are inter convert Rapidly due to free rotation so it can not be isolated at room temperature.

Q.41 (3)

Q.42 (3)

IUPAC name – Chlorophenyl methane

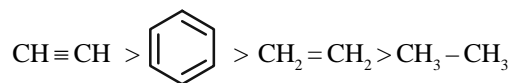
Q.43 (2)

Q.44 (1)

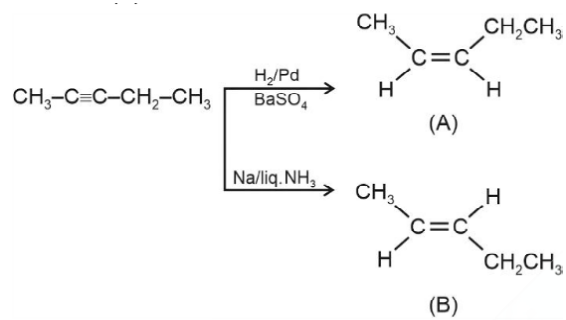
Q.45 (3)

Q.46 (4)

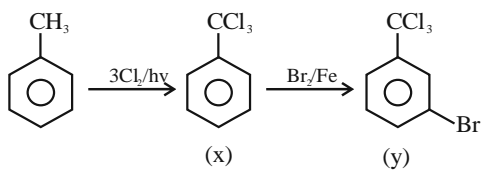
Q.47 (2)
Acidic strength of hydrogen



Q.48 (4)



Q.49 (3)



Q.50 (4)