

DPP

DAILY PRACTICE PROBLEMS

CLASS : XIIth
DATE :

SOLUTION

SUBJECT : CHEMISTRY
DPP NO. : 5

Topic :-HYDROCARBONS

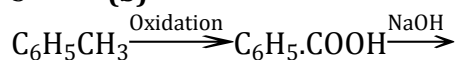
1 (c)

Eqs. (i) and (ii) drawings are Sawhorse and Newman projections respectively for staggered forms.

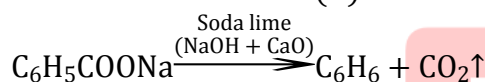
2 (a)

C₂H₂ gives white ppt. with amm. AgNO₃.

3 (b)



(A)

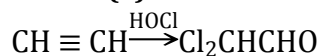


(B)

5 (c)

Cyclobutadiene have (4π) conjugated or delocalized electrons, thus it is *anti*-aromatic

6 (a)



7 (c)

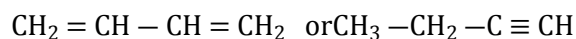
Thioalcohol (mercaptans) have unpleasant odour; C₂H₅SH is commonly used.

8 (c)

Octane no. of triptane or 2, 3, 3-trimethylbutane = 124; octane no. of *n*-nonane = 45.

9 (d)

C₄H₆ may contains either two double bond or triple bond



10 (b)

Due to acidic—H-atom propyne forms CH₃—C ≡ CNa with Na.

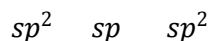
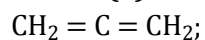
11 (b)

More is b.p. lesser is volatile nature.

12 (d)

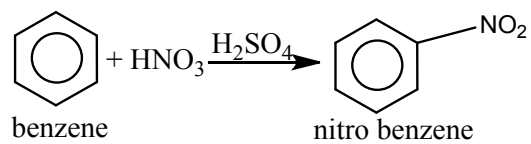
These all are used to increase octane number of fuel.

14 (a)



20 (b)

Benzene undergoes electrophilic substitution reaction. It is nitrated by HNO_3 .



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

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