



SHIKSHA CLASSES

Question Paper

Subject : Chemistry

Class : XI

15 : Hydrocarbons

Total Marks :25

Time : 1 Hour

SECTION A

Q.1 : Choose the correct option : 4

i) Major product of chlorination of ethyl benzene is :

- a.) m-chlorethyl benzene
- b) p-chloroethyl benzene
- c) chlorobenzene
- d) o-chloroethylbenzene

ii) 1 – chloropropane on treatment with alc. KOH produces :

- a) propane b) propene
- c) propyne d) propyl alcohol

iii) But-1-ene and 2-methyl propene exhibit

- a) position isomerism
- b) Chain isomerism
- c) geometrical isomerism
- d) functional isomerism

iv) Acidic hydrogen is present in :

- a) acetylene b) ethane
- c) ethylene d) dimethyl acetylene

Q.2 Answer the following : 2

- i) Define : Hydrocarbons
- ii) What are Vicinal dihalides

SECTION B

Answer the following : (ANY 3) 6

Q.3 : Explain isomerism in alkanes.

Q.4 : What is Grignard reagent? How it is formed?

Q.5 : Give the uses alkanes.

Q.6 : What are symmetrical and unsymmetrical alkanes?

Q.7 : How are Alkanes prepared from alkynes?

SECTION C

Answer the following : (ANY 3) 9

Q.8 : Explain Markovnikov's Rule with examples?

Q.9 : How is alkyne converted into tetrahalide?

Q.10 : What is the aromatic compounds? Give its type.

Q.11 : What is the action of chlorine on benzene in presence of sunlight? Explain ozonolysis of benzene.

Q.12 : Describe Friedel - craft's acylation reaction.

SECTION D

Answer the following : (ANY 1) 4

Q.13 : Check whether the following compound are aromatic or non-aromatic.

- i) Benzene
- ii) Napthalene
- iii) Pyridine
- iv) Cycloheptatriene

Q.14 : Describe the structure of benzene.

* * *

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