

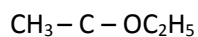
QUESTION BANK OF UNIT TEST

SUBJECT: ICH

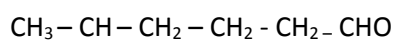
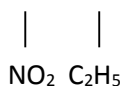
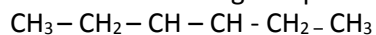
TOPIC : 1 Chemistry Of organic compounds (16 Marks)

Three marks question:

- 1) Define functional group explain with suitable example ?
- 2) How organic compounds are classified ? explain with one example.
- 3) State the rules of IUPAC nomenclature for alkanes?
- 4) Write about the polymerization.
- 5) Indicate the functional groups :



- 6) Name the following compounds



Four Mark Question :

- 1) Write about ester group & aldehyde group . with an example
- 2) Write about amides & ethers with an example
- 3) Write the nomenclature of (common name Derived name IUPAC name) of Alkanes
- 4) Write the nomenclature of (common name Derived name IUPAC name) of Alkenes.

TOPIC : Alkanes, Alkenes, Alkynes & Cycloalkanes (26 marks).

Three marks question

- 1) Write methods of preparation of alkanes by alkenes.
- 2) Write method of preparation of alkanes by Grignard reagents.
- 3) Write physical properties of alkanes.
- 4) Write the chemical properties of alkanes.
- 5) Write the uses of alkanes.
- 6) Write the IUPAC rule for naming cycloalkanes.
- 7) Write any one method of preparation of cycloalkanes.
- 8) Explain the physical properties of cycloalkanes.
- 9) Write the method of preparation of alkenes by alcohols.
- 10) Write the physical properties of alkenes.
- 11) Write the method of preparation of alkynes by dehalogenation of tetrahalides
- 12) Write the physical properties of alkynes.

Four Marks Questions :

- 1) Write Wurtz's and Kolbe's reaction.
- 2) Explain the halogenations of alkanes.
- 3) Explain the Pyrolysis.
- 4) Explain the Baeyer's strain theory.
- 5) Explain the ozonolysis in alkenes.
- 6) Explain the catalytic hydrogenation of alkynes.
- 7) Explain the drawback of Baeyer's strain theory.

Chapter No.3 Aromatic Compound (26)

Three Marks Question:

- 1) Write the types of aromatic compound with structural formula.
- 2) Write difference between aliphatic & aromatic compound.
- 3) What are the uses of aromatic compound?
- 4) Write the Physical properties of phenol.
- 5) Give IUPAC name of (a) methyl bromide (b) n-butyl iodide.

Four Marks Question:

- 1) Write one method of preparation of benzene
- 2) Write the Nitration & Friedel Crafts reaction of benzene
- 3) Describe general properties of alkyl halides.
- 4) Write the difference between alcohol and phenol.

Chapter No. 4 Alcohol Chemistry (16)

Three Marks Question:

- 1) Write the Physical properties of alcohol.
- 2) Write the uses of alcohol.
- 3) Write the action of hydrogen halide on alcohol.
- 4) Give one method of preparing of alcohol.

Four Marks Question :

- 1) Write General method of preparation of alcohol
- 2) Write the classification of alcohol with & example.
- 3) Differentiate between alcohol and phenol.

Chapter No. 5: Solution and indicator(16)

Three Marks Question :

- 1) What are the types of solution ?
- 2) Define an ideal solution.
- 3) Define Raoult's law.
- 4) What are azeotropic mixtures?

Four Marks Question :

- 1) Explain Theory of indicators.
- 2) Explain acid-base indicators name the theories.
- 3) Explain Quinonoid theory.
- 4) Explain Ostwald's theory.

