

## Question Bank (G scheme)

Name of Subject: INDUSTRIAL CHEMISTRY

Subject code: 17312

Semester : Third

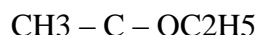
Course: Chemical

### UNIT TEST-I

#### TOPIC : 1 Chemistry Of organic compounds ( 16 Marks )

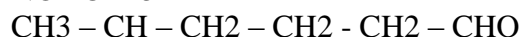
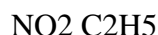
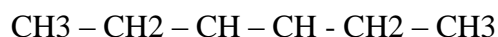
##### Three marks question:

- 1) Define functional group explain with suitable example ?
- 2) How organic compounds are classified ? explain with one example.
- 3) Write about the polymerization.
- 4) Indicate the functional groups :



O

- 5) 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.

#### TOPIC2 : 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 (12M)**

#### **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?
- 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 & Fiedel crafts reaction of benzene