

- Q.30 How we can distinction between alcohol and ether on the basis of functional group?
- Q.31 Structure of Primary, Secondary and tertiary alcohol?
- Q.32 Importance of Disaccharide in daily life?
- Q.33 Explain the method of hydrocarbons?
- Q.34 How chloroform prepares and explains with structure?
- Q.35 Role of organic compounds in daily life?

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 a) What is catalysis and how enzyme catalyses the reaction?  
b) Define lipids and give its two clinical importances?
- Q.37 a) Preparations of method of ketone and its use?  
b) Define monosaccharides and give examples?
- Q.38 a) Structure of primary, secondary and tertiary alcohols?  
b) Difference between organic and inorganic compounds?

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### 2nd Sem./ DMLT Subject:- Organic Chemistry

Time : 3Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Hydrocarbons are organic compounds with element \_\_\_\_\_  
a) Both hydrogen and carbon  
b) Carbon  
c) Hydrogen  
d) Oxygen
- Q.2 Which of the following bond is made up of a large number of organic compounds?  
a) Metallic bond      b) Dipolar  
c) Ionic bond      d) Covalent bond
- Q.3 Which among the following is main constituent of biogas-  
a) Propane      b) Butane  
c) Methane      d) Ethane
- Q.4 Which of the following is an example of a saturated carbon compounds-

- a) Benzene                      b) Ethene  
c) Ethyne                        d) Methane
- Q.5 Which one is alcohol?  
a)  $\text{CH}_3\text{COOH}$                   b)  $\text{CH}_3\text{OH}$   
c)  $\text{CH}_3\text{CHO}$                     d) All of above
- Q.6 Sucrose is a -  
a) Monosaccharides      b) Disaccharides  
c) Trisaccharides        d) All of the above
- Q.7 How many amino acids made up a protein?  
a) 10                              b) 20  
c) 30                              d) 40
- Q.8 Which of the following is a property of detergents ?  
a) Hydrophobic              b) Hydrophilic  
c) Both                        d) None
- Q.9 Which of the following acid found is vinegar?  
a) Lactic acid                b) Citric acid  
c) Malic acid                d) Acetic acid
- Q.10 Proteins is?  
a) Monomer                  b) Polymer  
c) Both                        d) None

### SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Define Hydrocarbons?

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- Q.12 Symbol of Aldehydes?
- Q.13 Formula of methanoic acid?
- Q.14 Monomer of proteins is \_\_\_\_\_?
- Q.15 Formula of ethanol is \_\_\_\_\_?
- Q.16 IUPAC name of  $\text{CH}_3\text{COOH}$ ?
- Q.17 IUPAC name of  $\text{CH}_3\text{CH}_2\text{OH}$ ?
- Q.18 Alkene contains carbon-carbon \_\_\_\_\_?
- Q.19 Triple bond between carbon carbon is called \_\_\_\_\_?
- Q.20 Define unsaturated hydrocarbons?

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Preparation of one method of unsaturated hydrocarbons?
- Q.22 Structure of sucrose?
- Q.23 What are clinical importance of proteins?
- Q.24 What are structure of methanol and ethanol?
- Q.25 Explain properties of halogen derivatives of hydrocarbons?
- Q.26 What are the sources of carbohydrates?
- Q.27 Explain the classification of lipids?
- Q.28 Define phospholipids?
- Q.29 Explain properties of methanol?

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