

SECTION-D

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

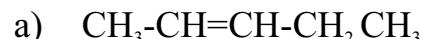
Q.36 a) Write down the importance of organic compounds.

b) Give two methods of preparation of acetylene . Its properties and its uses.

Q.37 a) Discuss the structure os proteins

b) Write notes on importance of carbohydrates.

Q.38 Give the IUPAC name of



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Roll No.

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 Amines are _____ in nature.

- a) basic
- b) acidic
- c) neutral
- d) amphoteric

Q.2 Peptides bonds are present in _____.

- a) Protein
- b) carbohydrate
- c) lipid
- d) triglycerides

Q.3 Marsh gas is _____.

- a) CO_2
- b) Cl_2
- c) H_2O
- d) CH_4

Q.4 Sucrose on hydrolysis give _____.

- a) glucose and galactose
- b) glucose and fructose
- c) glucose and insulin
- d) glucose and glucose

Q.5 Silk is an example of _____.

- a) carbohydrate
- b) Wax
- c) Protein
- d) fatty acids

- Q.6 The functional group present in aldehydes is _____.
a) CHO b) OH
c) COOH d) ROR
- Q.7 $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-COOH}$, the functional group present in this is _____.
a) Alcohol b) Aldehyde
c) Ketone d) Ether
- Q.8 Only small amounts of enzymes can be highly efficient.
a) True b) False
- Q.9 Starch is an example of _____.
a) Carbohydrate b) Protein
c) Lipid d) mineral
- Q.10 Which one is not the factor affecting enzyme activity.
a) pH
b) temperature
c) concentration
d) gravity

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.11 What is co-factor in an enzyme?
Q.12 What are ketoses.
Q.13 The general formula of alkynes is _____.
Q.14 In homologous series members differ by _____.

- Q.15 Give two properties of glycerol.
Q.16 Power alcohol is a mixture of _____ and _____.
Q.17 Name two basic amino acids.
Q.18 Name one unsaturated hydrocarbon.
Q.19 What is combustion ?
Q.20 Define triglycerides

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$
- Q.21 Give the preparation of ethane and propane using wurtz reaction.
Q.22 What is schiff's reagent
Q.23 How do glucose and fructose differ structurally.
Q.24 Differentiate between simple proteins and conjugated proteins
Q.25 Write down the uses of ethene.
Q.26 Give four properties of hydrogen.
Q.27 Explain saytzeff's rule with an example
Q.28 Give two methods of preparation of diethyl ether.
Q.29 Write a brief note on cholesterol.
Q.30 Give the main properties of alkynes.
Q.31 Differentiate b/w organic and inorganic compounds.
Q.32 What is denaturation of alcohol.
Q.33 Give the importance of enzymes.
Q.34 What are essential and non-essential amino acids.
Q.35 Write down the uses and properties of ethanal.