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Roll No. ....

**1st Year / DMLT**

**Subject : Basic Chemistry**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Expand EFA

- a) Expanded fatty acids
- b) Essential fatty acids
- c) Evaporated fatty acids
- d) all of the above

Q.2 Expand RNA

- a) Ribonucleic acid      b) Riboxynucleic acid
- c) Reverse nucleic acid      d) None of above

Q.3 Protein acts as an \_\_\_\_\_

- a) Enzyme                      b) amino acids
- c) lipids                        d) None of above

Q.4 Biochemical catalyst known as \_\_\_\_\_

- a) Creatinine                  b) Amino acid
- c) Proteins                    d) Enzymes

Q.5 Table sugar is known as \_\_\_\_\_

- a) Lactose                      b) Sucrose
- c) Fructose                    d) Glucose

Q.6 Which sugar is present in milk?

- a) Glucose                      b) Maltose
- c) Lactose                      d) none of above

**SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Benedict methods is used to estimate the \_\_\_\_\_.

Q.8 Write down the chemical formula of Glucose.

(1)

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(2)

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Q.9 What is enzyme.

Q.10 Define monosaccharide.

Q.11 Define conjugated protein.

Q.12 Biuret method is used for estimation of \_\_\_\_\_.

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What are the various factors that affect enzyme activity.

Q.14 What are the composition, molecular weight and hydrolysis of protein.

Q.15 What are the physical properties of glycerol.

Q.16 Write down the various sources of carbohydrates.

Q.17 Discuss the uses of ethanol.

Q.18 Write a short note on cholesterol.

Q.19 Explain preparation of diethyl ether.

Q.20 Discuss the secondary amine structure.

Q.21 Write the clinical importance of proteins.

Q.22 What is alcohol and also explains its types.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Write down the clinical importance of liquids.

Q.24 Explain structure and properties of proteins.

Q.25 Discuss in detail the carbohydrates and its types.