

No. of Printed Pages : 4

Roll No.....

181913

1<sup>st</sup> Year Annual Pattern (Re-app)

Branch : DMLT

Sub.: Basic Chemistry

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple Choice Questions. All Questions are compulsory. (6x1=6)

Q.1 Expand RNA.

a) Ribonucleic Acid

B) Riboxynucleic Acid

c) Reverse Nucleic Acid

d) None of above

Q.2 Which sugar is present in Milk?

a) Glucose                  b) Maltose

c) Lactose                  d) None of these

Q.3 Enzymes are \_\_\_\_\_ in nature.

a) Acidic                  b) Basic

c) Neutral                  d) Amphoteric

Q.4 Protein acts as an \_\_\_\_\_.

a) Enzyme                  b) Amino Acids

c) Lipids                  d) None of above

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

a) Lactose                  b) Sucrose

c) Fructose                  d) Glucose

Q.6 Hydrates of carbon and hydrogen is called

a) Protein                  b) Lipids

c) Carbohydrates          d) None of above

### Section-B

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

Q.7 Write two sources of carbohydrates.

Q.8 Write down the chemical formula of Glucose.

Q.9 How many carbon atoms in fructose.

Q.10 Define alcohol.

Q.11 What is the basic unit of protein.

Q.12 Write an example of lipase enzyme.

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181913

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181913

### **Section-C**

**Note:** Short answer type Question. Attempt any Eight questions out of Ten Questions.  $(8 \times 4 = 32)$

- Q.13 Discuss the uses of ethanol.
- Q.14 What are the various names of amino acids and discuss one of them.
- Q.15 Write down the various source of carbohydrates.
- Q.16 Write a short note on cholesterol.
- Q.17 discuss the uses of methanol.
- Q.18 Write a short note on enzymes.
- Q.19 Write a short note on monosaccharide and disaccharides.
- Q.20 Discuss the primary amine structure with diagram.,
- Q.21 Write the clinical importance of proteins.
- Q.22 What are the composition, molecular weight and hydrolysis of protein.

### **Section-D**

**Note:** Long answer questions. Attempt any Two question out of Three Question.  $(2 \times 8 = 16)$

- Q.23 What is protein and also discusses clinical importance of it.
- Q.24 Write down the clinical importance of lipids.
- Q.25 Define carbohydrate and also write their classification in detail.