XI BIOLOGY TEST ON BIOMOLECULES AND ENZYME

TIME: 1 HOUR **M.M.: 20**

1. What is zwitteronic ion? **1**

2. Differentiate between nucleoside and nucleotide. **2**

3. What is peptide bond? How it forms? **1 + 1=2**

4. Draw the chemical structure of the followings: **1 + 1 + 1=3**

a. Adenine

b. Alanine

c. Thymine

5. With help of suitable illustration describe watson and crick's model the DNA. **3**

6. Taking the example of sucrose explain the formation of glycosidic linkage with chemical structure. **3**

7. Define homopolymer and heteropolymer giving two examples of each. **½ × 6=3**

8. Define the followings in relation to enzyme: **1 + 1 + 1=3**

a. Active site.

b. Apo-enzyme.

c. Allo-steric enzyme.

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