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(300)	Answ	-			STATE OF THE PARTY

(6M)

1. Write a short note on different interactions stabilize the tertiary structure of protein.

2. Write a note on different secondary structure preasent in protein.

Q III A). Answer the following questions(any four)

(8M)

- 1. What are diastereomers?
- 2. Give examples of enantiomers.
- 3. If number of asymetric carbon is 3, how many isomers are possible?
- 4. What is a racemic mixture?
- 5. What is the constituent of chitin?
- 6. Give an example of reducing agent that is used for the synthesis of sugar alcohols.
- 7. What do you mean by tautomerization?
- 8. Give examples of pairs of epimers.

(B). Answer the following questions in brief. (Any two)

(6M)

- 1. Write down the structures of amylose and amylopectin.
- 2. Depict glycosidic bond formation in chitin.
- 3. What are homo- and hetero-, polysaccharides? Also give examples.
- 4. Give significance of starch and glycogen.

(C). Answer the following questions in detail (any one)

(6M)

- 1. Describe oxidation reactions to produce aldonic, aldaric, and uronic acids with respect to glucose.
- 2. Give an account of occurrence and structure of maltose, lactose and sucrose.

Q IV.1 (A) Explain the following (any one)

(2M)

- 1. Name any two Acidic and Basic buffers.
- 2. Name two Strong and two Weak bases.

1. (B) Answer of the following: (any three)

(3M)

- 1. In what range of pH will citrus fruits be found
- 2. What is a hydrogen bond? Explain its formation in water
- 3. Define molar concentration and Molarity
- 4. Write the dissociation constant of HCl.
- 5. Write equation of water Ionization.
- 6. How pH affects the biological reactions?