



2. i) The disruption of native conformation of protein is called
- Zwitter ion
 - Isoelectric point
 - Conjugate protein
 - Denaturation
- ii) The base not present in DNA is
- | | |
|------------|------------|
| a) Adenine | b) Guanine |
| c) Uracil | d) Thymine |
- iii) _____ is a complex of Iron with porphrin
- Haemoglobin
 - Ferridoxin
 - Chlorophyll
 - None of the above
- iv) Phosphoesterases can hydrolyse only
- | | |
|----------------------|--------------------|
| a) Esters | b) Acetic acid |
| c) Phosphotic esters | d) Carboxylic acid |
3. i) The DNA sequence that codes for a specific protein is called
- | | |
|----------|---------------|
| a) Gene | b) Nucleoside |
| c) Codon | d) Nucleotide |
- ii) The change in the value of specific rotation is called
- | | |
|------------------|----------------------|
| a) Epimerisation | b) Anomers |
| c) Mutarotation | d) None of the above |
- iii) Protein part in haemoglobin
- | | |
|-------------|-------------|
| a) Globulin | b) Histones |
| c) Globin | d) Albumin |
- iv) Isoquinoline on oxidation with KMnO_4 gives
- Quinolinic acid
 - Cinchomeric acid
 - Picolinic acid
 - None of the above



4. i) _____ depicts the sequence of aminoacids units present in protein.
- Quaternary structure
 - Primary structure
 - Tertiary structure
 - Secondary structure
- ii) Biotin is
- | | |
|--------------|--------------|
| a) Vitamin A | b) Vitamin C |
| c) Vitamin B | d) Vitamin H |
- iii) The product obtained by heating furan with ammonia
- | | |
|--------------------|--------------|
| a) Pyrrole | b) Pyridine |
| c) Tetrahydrofuran | d) Thiophene |
- iv) Simple proteins on hydrolysis give
- Amines
 - Acids
 - Aminoacids
 - None of the above

(4×1=4)

SECTION – B

Answer **any 5** questions. **Each** question carries a **weightage** of 1.

- What is epimerization ? Give as an example.
- What is peptide linkage ? How is it formed ?
- Explain why glucose does not give Schiff's test.
- What are hormones ? Give two examples.
- What is the important function of iron containing biomolecules ?
- What is isoelectric point ?
- Give the resonating structure of pyrrole.
- Give the name and structure of the sugar unit present in RNA.

(5×1=5)