

(2)

UNIT – III

- VI. a) Enumerate differences among A, B and Z forms of DNA.
b) Write a note on biologically important nucleotides with examples. (6,3)
- VII. a) Provide the details about sequencing of polynucleotides.
b) Elaborate on different types of RNA molecules. (6,3)

UNIT – IV

- VIII. a) How would you define a porphyrin nucleus, citing some examples of biological molecules having porphyrin nucleus add a note on their classification.
b) Write a note two biologically occurring bile pigments. (7,2)
- IX. a) Discuss different methodologies to detect porphyrins in biological solutions.
b) Write a short note on biological significance of heme. (7,2)

x-x-x