

- e) Discuss the arrangements of nucleotides in nucleic acid. 4
- f) Describe the primary and secondary structure of DNA. 4
4. a) Explain: 8
- i) Condensation polymerization.
 - ii) Addition polymerization.
- b) Write short notes on: 8
- i) Alizarin
 - ii) Fluorescein.

OR

- c) Synthesis of 4
- i) Methyl dopa
 - ii) Acyclovir.
- d) Give the synthesis of Benzocaine. 4
- e) Write a note on Cyanine dye. 4
- f) Explain free radical polymerization. 4
5. a) Give the biological functions of coenzyme A. 2
- b) What is bakers yeast? 2
- c) Write chemical properties of Pyrazole. 2
- d) Write one synthesis of benzofuran. 2
- e) Write structure and function of lipoprotein. 2
- f) Write function of tringlycerols. 2
- g) What are isotactic and atactic polymers? 2
- h) Name any two mordant dyes with structure. 2
