



DCCB – 201

II Semester B.Sc. Degree Examination, October/November 2022
(NEP Scheme)
BIOCHEMISTRY

Chemical Foundation of Biochemistry – II

Time : 2½ Hours

Max. Marks : 60

Instructions : 1) **All Sections are Compulsory.**

2) **Section A : Answer any five.**

3) **Section B : Answer any five.**

4) **Section C answer any three.**

SECTION – A

1. Answer **any five** of the following :

(5×2=10)

- What are lyophilic sols ? Give an example.
- Define persistent dialysis.
- What is racemic mixture ?
- Draw the eclipsed conformation of ethane.
- What is meant by solvomercuration ?
- Mention the role of Zn in biological system.
- What are ligands ? Give an example.

SECTION – B

Answer **any five** of the following :

(5×4=20)

- How do you purify the colloidal solution by ultrafiltration ?
- Comment on the D and L notations with a suitable example.
- Mention the biological significance of Colloids.
- What are emulsions ? Mention the types with an example.
- Illustrate the Fisher and Neumann's projection with a suitable example.
- Explain the effect of pressure and catalyst on a rate of a reaction.

P.T.O.