

Exam. Code : 107402

Subject Code: 2279

B.Sc. (Bio Technology) 2nd Semester

BIOCHEMISTRY-II

Paper—BT-9

Time Allowed—3 Hours] [Maximum Marks—40

Note :— (1) Attempt **ALL** parts from Section-A. Each Part carries 1 mark.

(2) Attempt any **FIVE** questions from Section-B. Each question carries 4 marks.

(3) Attempt any **TWO** questions from Section-C. Each question carries 6 marks.

SECTION—A

1. (i) Phosphoglycerides.
- (ii) Glycosphingolipids.
- (iii) Proline.
- (iv) Secondary structure of protein.
- (v) Cofactors.
- (vi) Vitamin-D.
- (vii) Secretory glands.
- (viii) Growth hormone.

SECTION—B

2. Classify lipids and fatty acids.
3. Steroids.
4. Mention the biological role of protein.
5. Discuss different forces which stabilize protein structure.
6. Mention the deficiency symptoms of vitamin-C.
7. Discuss about the fat soluble vitamins.
8. Discuss about disorder associated with steroid hormones.
9. Write a short note on amino acid hormones.

SECTION—C

10. Discuss the general function of lipid and provide an overview of their classification.
11. Discuss various structural organizations of proteins.
12. What are fat and water soluble vitamins ? Discuss their deficiency symptoms.
13. Discuss major classes of hormones and their role in human.