Exam. Code : 107402

Subject Code: 2119

B.Sc. (Bio-Technology) Semester—II **BIOCHEMISTRY—II**

Paper—BT-9

Time Allov/ea—3 Hoursl

Maximum Marks—40

- Note: (1) Attempt ALL parts from Section-A. Each question carries 1 mark.
 - Attempt any FIVE questions from Section-B. Each question carries 4 marks.
 - (3) Attempt any TVO questions from Section-C. Each question carries 6 marks.

SECTION-A

- Triacylglycerol
 - (ii) Sphingolipids
 - (iii) Sterols
 - (iv) Terpenes
 - (v) Rare aminoacids
 - (vi) Vitamin-C
 - (vii) Endocrine system
 - (viii) Pituitary gland.

http://www.gnduonline.com

(Contd.)

http://www.gnduonline.com

SECTION-B

- Discuss biological relevance lipids.
- Glycosphingolipid.
- Saponification.
- Give an example of a heterocyclic aminoacid and discuss its biological significance.
- Comment on the structural complexity of proteins.
- Discuss the role of vitamins as cofactors.
- 8. Comment on vitamir-A deficiency symptoms and its remedy.
- Discuss the role of hormone on growth and development of animals and humans.
- 10. Peptide hormones.

SECTION---

- Classify lipids. Discuss general structure and function of major classes of lipid.
- Discuss primary, secondary and tertiary structures of protein. Comment the significance of these structures and the forces that stabilizes these structures.
- Mention various of types vitamins and their deficiency symptoms.
- Discuss various steroidal and peptide hormones and their mode of action.

http://www.gnduonline.com

http://www.gnduonline.com