



K16U 1748

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – 2014 Admn. – Regular)
Examination, November 2016
CORE COURSE IN ZOOLOGY
5B05 ZLG : Biochemistry and Endocrinology

Time : 3 Hours

Max. Marks : 40

- I. Essay : Answer **any two** of the following : (2×8=16)
- 1) Explain on enzymes, classification and mechanism of action.
 - 2) Describe various steps involved in Glycolysis.
 - 3) Explain various structural levels of proteins.
 - 4) Describe various forms of DNA and explain its structure.
- II. Answer **any two** of the following : (2×4=8)
- 5) Write notes on fat soluble vitamins.
 - 6) Mention hormones of hypothalamus.
 - 7) Explain on :
 - a) Glycogenesis
 - b) Gluconeogenesis.
 - 8) Write notes on phospholipids and glycolipids.
- III. Answer **any six** of the following : (6×2=12)
- 9) Make a note on biological significance of water.
 - 10) Explain on homopolysaccharides.
 - 11) Mention biological functions of prostaglandins.
 - 12) Write an account of RNA.

P.T.O.



- 13) Distinguish between Dwarfism and Cretinism.
- 14) What is enzyme inhibition ?
- 15) Explain insect endocrine system.
- 16) What do you mean by hormone receptors ?

IV. Fill in the blanks with suitable answer :

(4×1=4)

- 17) Phosphatidyl choline also called _____
- 18) Enzymes are classified into _____ classes.
- 19) _____ is a tetrose sugar.
- 20) Deficiency of insulin causes _____