

Total No. of Printed Pages: 2

SUBJECT CODE NO:- B-2095
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. S.Y (Sem-IV)
Examination November/December-2022
Zoology Paper- XII
Biochemistry and Endocrinology

[Time: 1:30 Hours]

[Max.Marks:50]

“Please check whether you have got the right question paper.”

N.B.

- i) Attempt all questions.
- ii) Illustrate your answer with suitable labelled diagram.

Q.1 What are Carbohydrates? Classify them giving suitable example. 20

OR

Define enzyme. Describe the mechanism of enzyme action.

Q.2 Explain in detail various hormones and their functions of pituitary gland. 20

OR

Write short notes on (any four)

- 1) Classification of proteins
- 2) FSH
- 3) Cholesterol Biosynthesis
- 4) Vitamin K
- 5) Structure of Thyroid gland
- 6) Glycogenesis

Q.3 Multiple choice questions : 10

- 1) Complete oxidation of one gram mole of glucose yield energy in calories _____.
 a) 6860000 b) 68600 c) 686000 d) 686
- 2) The term Vitamin was given by _____.
 a) Starling b) Kuhn c) Funk d) Calvin
- 3) Transamination can occur in _____.
 a) Cells b) Tissue c) Nerves d) Plasma
- 4) The reabsorption of water in the kidney is under the control of hormone _____.
 a) LH b) ADH c) STH d) ACTH
- 5) Blood Pressure is controlled by _____.
 a) Adrenal b) Thyroid c) Thymus d) Corpus luteum
- 6) The absence of iodine in the food cause the disease known as _____.
 a) Cretinism b) Myxedema c) Goitre d) Exophthalmic goiter

