

Total No. of Printed Pages:02

SUBJECT CODE NO: - 2095
FACULTY OF SCIENCE & TECHNOLOGY
B.Sc. S.Y Sem-IV
Examination March/April-2022 (To be held in June/July-2022)
Zoology Paper- XII
Biochemistry and Endocrinology

[Time: 1:53 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 Define protein. Give an account on classification of proteins. 20
- OR
- What is vitamin? Give a brief account on source and deficiency of vitamin? 20
- Q.2 Explain in detail structure and functions of Thyroid gland. 20
- OR
- Write short notes on (any Four) 20
- a) Transamination
 - b) Neurohypophysis
 - c) Structure of Adrenal gland
 - d) Glycolysis
 - e) Structure of Islet of Langerhans
 - f) Calcitonin
- Q.3 Multiple choice questions. 10
- 1) In glycolysis ultimate conversion is _____.
 - a) Protein in to glucose
 - b) Glucose in to fructose
 - c) Starch in to glucose
 - d) Glucose in to pyruvic acid
 - 2) Metabolic processes in the body are catalyzed by _____.

a) Enzymes	b) Lipids
c) Hormones	d) Proteins
 - 3) Night blindness is caused due to deficiency of _____.

a) Vitamin B ₁₀	b) Vitamin A
c) Vitamin C	d) Vitamin B ₆

- 4) Which disease is caused by the deficiency of thyroxine in adult _____?
a) Diabetes insipidus b) Diabetes mellitus
c) Myxedema d) Exophthalmic goiter
- 5) Which one of the following is both exocrine and endocrine gland _____?
a) Thyroid b) Pancreas
c) Adrenal d) Thymus
- 6) Oxytocin hormone is secreted by _____.
a) Adrenal b) Ovary
c) Thyroid d) Pituitary
- 7) Pyruvic acid before combining with oxaloacetic acid of citric acid cycle becomes _____.
a) Lactic acid b) Acetol acetic acid
c) Cis- aconitic acid d) Acetyl co –A
- 8) Adrenal cortex secretes _____.
a) Calcitonin b) Epinephrine
c) Aldosterone d) Adrenaline
- 9) Insulin hormone is secreted by _____.
a) Alfa cells of pancreas b) Beta cells of pancreas
c) Delta cells of pancreas d) Acinar cells of pancreas
- 10) Vasopressin is related with _____.
a) Quick digestion b) Concentration of urine
c) Slow heart rate d) Dilution urine