

U.G. 6th Semester Examination - 2021

ZOOLOGY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : ZOOL-H-DSE-T-05

(Endocrinology)

Full Marks : 40

Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **five** questions : 2×5=10
- What are exocrine and endocrine glands? Give one example of each.
 - Give one example of Peptide Hormone and one amino acid derived hormone.
 - State the location of brain at which Pineal Gland is located. Write the function of Pineal Gland.
 - Write the functions of Testosterone and Progesterone hormone.
 - What is Negative Feedback mechanism of hormone action? Give one example.
 - How Insulin and Glucagon hormones regulate glucose metabolism?

- g) What is Goiter?
 - h) What is Estrous cycle?
2. Answer any **two** questions : 5×2=10
- Describe the role of Oxytocin and Vasopressin hormone.
 - Draw a labelled diagram of TS of Testis. What is Sertoli cell? 3+2
 - Describe the procedure of direct ELIZA.
 - Write the function of hormones which are secreted from anterior Pituitary.
3. Answer any **two** questions : 10×2=20
- Describe the feedback mechanism. What are the diseases caused by disorder of Pituitary gland. 6+4
 - Describe the Hypothalamo-hypophysial portal system. Describe the structure of Ovary. 5+5
 - Describe Menstrual Cycle in human. What is Neurohormone? 8+2
 - Write a short note on- 2½×4
 - Biological Rhythms
 - RIA
 - Classification of hormone
 - Islets of Langerhans.