

**ACTIVITY ID: 1903235021**

**B.Sc. 6<sup>th</sup> Semester (Honours) Examination, October 2020**

**ZOOLOGY**

**Course ID: 62617**

**Course Code: SH/ZOO/604/DSE-4**

**Course Title: Endocrinology**

**Full Marks: 15**

**Time: 1 Hr.**

*The figures in the right hand margin indicate full marks.*

### **UNIT-I**

1. *Answer any five of the following questions:* **1 X 5 = 5**
- a. Why hypothalamic hormones are stored in posterior pituitary not in anterior pituitary?
  - b. How does 'neurohormone' differ from 'neuromodulator'?
  - c. What is Cushing syndrome?
  - d. What is corpus albicans?
  - e. States two hydrophobic hormones.
  - f. Write down the full name of RIA and ELISA?
  - g. What is circadian rhythm?
  - h. What is the role of 'follicular fluid' present in antrum?
  - i. Name two receptors of peptide hormones.
  - j. What is negative feedback loop?

### **UNIT-II**

2. *Answer any two of the following questions:* **5 X 2 = 10**
- a. Enumerate the different types of cells present in the adenohypophysis with their secretory products. **5**
  - b. What is the basic difference between T3 and T4? Describe the hypothalamo-hypophysial portal system. **2+3= 5**
  - c. Describe the different stages present in estrous cycle with their identifying characters. **5**
  - d. Differentiates between 'positive' and 'negative' feedback mechanism in hormone action with suitable examples. **5**