



RDN – 31

B.Sc. (Semester – VI) Examination, April/May 2019
ZOOLOGY (Paper – XIV)
Endocrinology

Duration : 2 Hours

Total Marks : 80

Note : i) **All** questions are **compulsory**.
ii) Figures to the **right** indicate maximum marks.
iii) Draw **neat** and labeled diagrams **wherever** necessary.

1. Explain briefly **any four** of the following : (4×4=16)
 - a) Myxedema
 - b) Auto feedback
 - c) Functions of Prolactin
 - d) Angiotensins
 - e) Addison's disease
 - f) Graffian follicle.

2. Answer briefly **any four** of the following : (4×4=16)
 - i) Functions of Oxytocin
 - ii) Hypothalamo-hypophysial portal system
 - iii) Thyrocalcitonin
 - iv) Zones of Adrenal cortex
 - v) PCOD
 - vi) Cushing's syndrome.

3. a) Explain the mechanism of action of Protein hormone. 6

OR

 - a) What is hormonal feedback ? Explain long loop and short loop feedback. 6
 - b) What is homeostasis ? Explain calcium homeostasis. 6

4. a) Give an account of Gross Anatomy of Hypophysis. 6

OR

 - a) Briefly discuss the different hormones secreted by the Adrenohypophysis and add a note on their functions. 6



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b) Describe the histological structure of Parathyroid gland. 6

5. a) Give an account of the hormones secreted by Islets of Langerhans. 6

OR

a) Discuss the malady of Diabetes mellitus. 6

b) Discuss the various hormones secreted by Adrenal cortex. 6

6. a) Discuss the Endocrine basis of Lactation. 6

OR

a) Describe the process of Ovarian Folliculogenesis. 6

b) Discuss the biological functions of Androgens and add a note on Cryptorchidism. 6
