(Pages : 3) **L – 5484**

Reg. No. : ....

Name : ....

Fourth Semester M.Sc. Degree Examination, March 2021

Zoology

Special Subject - Endocrinology

ZO 241 : VERTEBRATE ENDOCRINOLOGY

(2013 Admission Onwards)

Time : 3 Hours Max. Marks : 75

SECTION – A

Write very brief notes on any **ten** of the following. **Each** question carries **2** marks.

1. Lumones
2. Cytocrines
3. Neurohormones
4. Indoleamines
5. Pituicytes
6. Nonapeptides
7. C-cells
8. Hashimotos' disease
9. Renin

P.T.O.

10. Gastric inhibitory peptide

11. Synthetic hormones

12. Phytohormones

13. EGF

14. Tropic hormones

15. Catecholamines

(10 × 2 = 20 Marks)

SECTION – B

Write short notes on any **six** of the following. **Each** question carries **4** marks.

16. Steroid hormone synthesis

17. Hypothalamo- Hypophysial interaction

18. Somatomedins

19. Hormones related with treatment of cancer

20. Second messengers of hormonal action

21. Disorders due to adrenal hormones

22. Structure of thyroid gland

23. Role of hormones in evolution

24. rDNA technology in endocrinology

25. Non genomic action of steroid hormones

(6 × 4 = 24 Marks)

SECTION – C

Write short essays on any **three** of the following. **Each** question carries **7** marks.

26. Evolution of endocrine glands in vertebrates

27. Mechanism and function of growth factors in cellular activities

28. Role of hormones in behaviour of animals

29. Methods and techniques in endocrine research

30. Pituitary hormones- Functions and disorders

(3 × 7 = 21 Marks)

SECTION – D

Write an essay on any **one** of the following. **Each** question carries **10** marks.

31. Explain the mechanism of action of polypeptide hormones.

32. Describe the hormonal control of reproduction.

(1 × 10 = 10 Marks)
