

Total No. of Printed Pages: 2

SUBJECT CODE NO: - F-6240
FACULTY OF SCIENCE AND TECHNOLOGY
M.Sc. (Sem-II) (Zoology (Old))
Examination December/January-2022-23
Endocrinology-II 434 Elective

[Time: 3:00 Hours]

[Max. Marks: 80]

Please check whether you have got the right question paper.

N. B

- 1) Part 'A' is compulsory
- 2) Attempt any five questions from part 'B'
- 3) Draw a neat labelled diagram whether necessary

Part-A

Q1 Attempt the following multiple choice questions

20

1. When both ovaries are removed from mammals then which hormone is decreased in blood?
 - a) oxytocin
 - b) prolactin
 - c) estrogen
 - d) gonadotropin releasing factor.
2. Which is a fat soluble hormone?
 - a) Amine hormone
 - b) Peptide hormone
 - c) Thyroid hormone
 - d) Protein hormone
3. Which one of the following is not a secondary messenger in hormone action?
 - a) cAMP
 - b) cGMP
 - c) calcium
 - d) sodium
4. A hormone secreted from posterior pituitary is
 - a) Vasopressin
 - b) Thyrotrophic hormone
 - c) Prolactin
 - d) Adrenocorticotrophic hormone
5. The secretions from which of these glands differs between males and females?
 - a) Adrenal
 - b) Parathyroid.
 - c) Gonada
 - d) Pancreas
6. What is the precursor of steroid hormone?
 - a) Protein
 - b) Cholesterol
 - c) Carbohydrate
 - d) Lipid
7. Menstruation is due to _____
 - a) Reduction of FSH
 - b) Increase of LH
 - c) Reduction is Estrogen and progesterone
 - d) Decrease in LH
8. Which of the following is Growth hormone inhibiting hormone?
 - a) FSH
 - b) TRH
 - c) GHRH
 - d) Somatostatin
9. Tropic hormones are formed by _____
 - a) Anterior pituitary
 - b) Middle pituitary
 - c) Thyroid
 - d) Posterior pituitary

10. Which one of the following hormones is modified amino acid?

- a) epinephrine
- b) progesterone
- c) prostaglandin
- d) estrogen

Part-B

Attempt any five questions

- | | | |
|----|--|----|
| Q2 | Explain in detail classes of hormones in Vertebrates. | 12 |
| Q3 | Describe the mechanism of hormone action. | 12 |
| Q4 | Give an account on hypothalamus and their secretions | 12 |
| Q5 | Describe structure and their hormones of Testis | 12 |
| Q6 | Write in detail of gonadal hormones | 12 |
| Q7 | Describe hormones and functions of Ovary | 12 |
| Q8 | Explain the mechanism of hormones in Pregnancy and Parturition | 12 |