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**SUBJECT CODE NO: - SS-6633**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**M.Sc. (Zoology) (Sem-II)**  
**Examination May / June - 2023**  
**Endocrinology II ZOO-209**

[Time: 03:00 Hours]

[Max. Marks: 80]

Please check whether you have got the right question paper.

N. B

- 1) Question Paper is divided in Part-A & Part-B
- 2) Part-A is compulsory.
- 3) Attempt any Five questions from part-B
- 4) Draw well labelled diagrams whenever necessary.

**Part-A**

Q1 Attempt the following multiple choice questions:

20

i) Outermost layer of ovary is made up of -----

- a) cuboidal cells b) stereo cilia c) stroma d) cilia

ii) Which of the hormone is released by hypothalamus?

- a) Somatostatin b) prolactin c) Melatonin d) MSH

iii) Which of the hormone is released by pars nervosa?

- a) LH b) Prolactin c) oxytocin d) FSH

iv) Low secretion of growth hormone is results in ----

- a) Acromegaly b) Gigantism c) Dwarfism d) None

v) Tropic hormones are formed by -----

- a) Anterior pituitary b) Thyroid c) Testis d) Ovary

vi) Hormone receptors are -----

- a) Glycolipids b) Lipids c) carbohydrate d) proteins

vii) Testosterone is secreted by -----

- a) Sertoli cells b) Thyroid c) Leydig cells d) Sperm cells

viii) The Follicular phase is also called as ----

a) Menstrual b) Luteal c) Proliferative d) Secretory

ix) What is the precursor of steroid hormone?

a) Protein b) Carbohydrate c) Lipid d) cholesterol

x) In male reproductive system, testicles are inside a sac called as

a) Scrotum b) Bladder c) Rectum d) Glands

### Part-B

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|----|--|----|
| Q2 | Explain Gonadal hormone synthesis in detail.                 | 12 |
| Q3 | Describe Neurohypophysial hormones & their functions.        | 12 |
| Q4 | Give an account on ovarian cycle & its hormonal control.     | 12 |
| Q5 | Describe hormones of Testis & their functions.               | 12 |
| Q6 | Write an essay on pancreatic hormones.                       | 12 |
| Q7 | Describe menstrual cycle in primates & its hormonal control. | 12 |
| Q8 | Write note on (Any two)                                      | 12 |
|    | A) Control of MSH Secretion                                  |    |
|    | B) TSH   |    |
|    | C) Estrus cycle in Rat                                       |    |