

M.Sc.(Zoology) (CBCS Pattern) Third Semester
PSCZOOT10-3 - Special Group : Mammalian Reproductive Physiology (MRP)
Paper-I Reproductive Process in Male Paper-X

P. Pages : 1

Time : Three Hours



GUG/W/18/11309

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw diagrams wherever necessary.

1. Describe in detail development descent and structure of the testis. 16

OR

Write notes on:-

- a) Molecular changes and hormonal regulation of spermatogenesis.
- b) Structure and functions of Sertoli cells.

2. Write in detail on structure and function of epididymis. 16

OR

Write notes on:-

- a) Spermatozoa structure
- b) Molecular & biochemical changes in sperm capacitation.

3. Describe in detail the structure, function and regulation of seminal vesicle 16

OR

Write notes on:

- a) Structure of prostate gland
- b) Structure of Cowper's gland

4. Describe in detail the mating system, neural and hormonal control in male reproductive behaviour. 16

OR

Write notes on :

- a) Pheromones - types
- b) Causes of infertility

5. Attempt the following:- 16

- a) Leydig cells
- b) Vas deferens
- c) Erection of penis
- d) Andrologically relevant diseases of advanced age.
