

M.Sc. - II (Zoology) (CBCS Pattern) Semester-IV
PSCZOOT15.4 - Paper-XV Special Group : Animal Physiology-IV
(Physiology of Respiration and Reproduction)

P. Pages : 1

Time : Three Hours



GUG/S/25/11442

Max. Marks : 80

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

1. Describe in details mechanism of respiration. **16**

OR

- a) Partial pressure of gases.
- b) Transport of respiratory gases of fishes.

2. Describe neural and chemical regulation of respiration. **16**

OR

- a) Oxygen dissolved curved.
- b) Cynosis.

3. Describe endocrine control of spermatogenesis. **16**

OR

- a) Oogenesis.
- b) Follicular cell and luteal cell.

4. Give an account on role of hormones and pheromones. **16**

OR

- a) In vitro fertilization.
- b) Placenta.

5. Attempt the following. **16**

- a) Lung capacity.
- b) Hypoxia.
- c) Corpus luteum.
- d) Test-tube baby.
