



RAN-2303080503040002

M. Sc. Zoology (Sem. - III) Examination October - 2025
Zoo - 3004 : History and Development Biology (E. G.)

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.
- (2) All the questions are compulsory.
- (3) Digits to the right side indicates full marks of the question.
- (4) Draw neat and labelled diagrams if necessary.

Seat No.:

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Student's Signature

Q. 1. Answer ANY TWO of the following: (18)

- A. Write detail notes on: Histological aspects of muscular tissue.
- B. Explain: The histology of bronchioles, highlighting the differences between terminal and respiratory bronchioles.
- C. Describe: Histology of stomach and small intestine.

Q. 2. Answer ANY TWO of the following: (18)

- A. Write detail notes on: Histological account of neurons of nervous system.
- B. Explain: Histological aspect of kidney in detail.
- C. Describe: Compare and contrast the histology of arteries and veins.

Q. 3. Answer ANY TWO of the following: (18)

- A. Write detail notes on: Spermatogenesis.
- B. Explain: Cleavage and its significance in detail.
- C. Describe: Blastulation and Gastrulation and its significance.

Q. 4. Answer ANY TWO of the following: (16)

- A. Write detail notes on: Stem cell.
- B. Explain: Regeneration.
- C. Describe: Neural tube formation in detail.