2303080503040002
Examination March 2024
MASTER OF SCIENCE (ZOOLOGY) (THIRD SEMESTER)
HISTOLOGY AND DEVELOPMENT BIOLOGY

[Time: Three Hours] **[Max. Marks: 70]**

Instructions:
1. Fill up strictly the following details on your answer book
   a. Name of the Examination : **MASTER OF SCIENCE (ZOOLOGY) (THIRD SEMESTER)**
   b. Name of the Subject : **HISTOLOGY AND DEVELOPMENT BIOLOGY**
   c. Subject Code No : **2303080503040002**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Mention below given details in answer book.

Seat No:

Student's Signature

Q.1 Answer any **Two** of the following: **18**

A. **Write details notes on:** Histology of mammalian respiratory system.
B. **Explain:** Fertilization and its types with examples.
C. **Describe:** Histological aspects of pancreas.

Q.2 Answer any **Two** of the following: **18**

A. **Write details notes on:** Histology of human Ovary.
B. **Explain:** Histology of human intestine
C. **Describe:** Spermatogenesis

Q.3 Answer any **Two** of the following: **18**

A. **Write details notes on:** types of cleavage with examples
B. **Explain:** Formation of neural tube
C. **Describe:** concept of potency and commitment

Q.4 Answer any **Two** of the following: **16**

A. **Write details notes on:** various types of stem cells
B. **Explain:** Regeneration
C. **Describe:** Axis formation in frog

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