



RAN-1903080502010001

M. Sc. (Sem.-II) Examination September - 2025

Zoology

Biology of Chordates (Paper : Zoo-2001)

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) Mention below given details in answer book
- (3) Figures to the right indicate full marks.
- (4) Draw neat and labeled diagrams wherever necessary.

Seat No.:

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Student's Signature

- Q.1. Answer any Two of the following: (18)**
- A. **Write detail notes on:** Origin of chordates.
 - B. **Explain:** Binomial and Trinomial nomenclature system.
 - C. **Describe:** ICZN - Zoological nomenclature.
- Q.2. Answer any Two of the following: (18)**
- A. **Write detail notes on:** Origin and evolution of Actinopterygii.
 - B. **Explain:** Structural peculiarities of Cyclostomata.
 - C. **Describe:** Origin and evolution of Amphibia.
- Q.3. Answer any Two of the following: (18)**
- A. **Write detail notes on:** Rhynchocephalia dinosaurs.
 - B. **Explain:** Evolution of birds using fossil evidences.
 - C. **Describe:** Structural peculiarities of metatheria and eutheria.
- Q.4. Answer any Two of the following: (16)**
- A. **Write detail notes on:** Comparative anatomy of heart in vertebrates.
 - B. **Explain:** Comparative anatomy of paired limbs among Chordates.
 - C. **Describe:** Comparative aspects of anatomy of nervous system in Chordates.