

RAN-2303080502040002

M. Sc. (Sem. - II) Examination September - 2025
Zoology (Paper - Zoo-2004) E. G. Marine Biology

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:** Waves and its types and measurements of waves.
- B. **Explain in detail:** Minerals and trace elements of chemical oceanography
- C. **Describe:** marine biosphere reserves of India

Q. 2. Answer any Two of the following: (18)

- A. **Write detail notes on:** Ecological importance of seagrass.
- B. **Explain:** What are zooplanktons and write detailed notes on pisces and mammals.
- C. **Describe:** Role of artificial intelligence in marine diversity.

Q. 3. Answer any Two of the following: (18)

- A. **Write detail notes on:** Conservation of coral reefs.
- B. **Explain in detail:** In-situ & Ex-situ conservation of marine life.
- C. **Describe:** What is IUCN and state its importance of sea ranching.

Q. 4. Answer any Two of the following: (16)

- A. **Write detail notes on:** Bioactive compounds for seaweeds.
- B. **Explain:** Bioactive compounds for anticancer activities.
- C. **Describe:** Bioactive compounds.