

Roll No. ....

Total No. of Pages : 2

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Zoology

(24)

Paper—I

Time : Three Hours]

[Maximum Marks : 300

- Note :—
- Answers must be written in English.
  - Number of marks carried by each question are indicated at the end of the question.
  - Part/Parts of the same question must be answered together and should not be interposed between answers to other questions.
  - The answer to each question or Part thereof should begin on a fresh page.
  - Your answers should be precise and coherent.
  - Candidates should attempt Question Nos. 1 and 5 which are compulsory and any **three** out of the remaining questions, selecting at least **one** question from each Section. Attempt **five** questions in all.
  - If you encounter any typographical error, please read it as it appears in the text-book.

**SECTION-A**

- Write a note on any **three** of the following :
  - Metagenesis in Cnidaria.
  - Oyster culture
  - Prototheria
  - Affinities of Dipnio. 20+20+20=60

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Contd.

- Explain the life history of Trypanosoma. Add a note on disease caused by it. 30+30
- Describe canal system in porifera. Give diagrams to illustrate your answer. 30+30
- Write an essay on poisonous snakes of India. Also add a note on their poisonous apparatus. 60

**SECTION-B**

- Write short notes on any **three** of the following :
  - Malthus theory of population
  - Pheromones
  - Nuptial Flight
  - Commensalism. 20+20+20=60
- Explain the role of temperature as an abiotic factor in an ecosystem. Add a note on concepts relating to it. 30+30
- Write an essay on helminth diseases of man and their remedial measures. 30+30
- Differentiate between biological clock and seasonal rhythms with suitable examples. 30+30

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