

(xi) No blank page be left in between answer to various questions.

(xii) No programmable Calculator is allowed.

(xiii) No stencil (with different markings) is allowed.

SECTION–A

1. Write notes on **any three** of the following : 20+20+20=60
 - (a) Describe coelom and Metamerism.
 - (b) Discuss Peripatus as connecting link.
 - (c) Affinity of Dipnoi
 - (d) Describe skin derivatives of Mammals.
2. Describe the life history of malarial parasite in mosquito and man. 60
3. Describe various Larval forms and parasitic adaptation in crustacea. 60
4. Write an essay on origin of reptiles with a critical evaluation of their adaptive radiation. 60

SECTION–B

5. Write notes on **any three** of the following : 20+20+20=60
 - (a) Role of Abiotic factors
 - (b) Osmoregulatory adaptations to marine habitats
 - (c) Biological clock
 - (d) Parasitic Protozoans.
6. Describe energy flow and the importance of Biogeochemical cycles. 60
7. Describe the role of various hormones and Pheromones in Animal Behaviour. 60
8. Describe various helminth parasites of man and domestic animals. 60

Total No. of Printed Pages : 2

Roll No.

1(CCE.M)2

Zoology—I

(24)

Time : Three Hours]

[Maximum Marks : 300

INSTRUCTIONS

- (i) Answers must be written in English.
- (ii) The number of marks carried by each question is indicated at the end of the question.
- (iii) The answer to each question or part thereof should begin on a fresh page.
- (iv) Your answer should be precise and coherent.
- (v) The part/parts of the same question must be answered together and should not be interposed between answers to other questions.
- (vi) 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.
- (vii) If you encounter any typographical error, please read it as it appears in the text-book.
- (viii) Candidates are in their own interest advised to go through the General Instructions on the back side of the title page of the Answer Script for strict adherence.
- (ix) No continuation sheets shall be provided to any candidate under any circumstances.
- (x) Candidates shall put a cross (×) on blank pages of Answer Script.