

Roll No.

Total No. of Pages : 2

1(CCEM)0

Zoology

(24)

Paper—II

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.
 - If you encounter any typographical error, please read it as it appears in the text-book.

SECTION-A

- Give an account of any **three** of the following :
 - Genes & diseases
 - Hardy Weinberg Law
 - Lamarckism
 - Ribosomes. 20+20+20=60
- Explain the structure and functions of Plasma membrane in the light of modern theories. 20+20+20=60

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Contd.

- What are the principles of classification and International code applied in animal nomenclature ? 20+20+20=60
- Write a note on natural and induced mutations. 30+30=60

SECTION-B

- Give an account of any **three** of the following :
 - Innate immunity
 - Pyridoxine
 - Diagnostic Significance of Leucocytosis
 - Sliding filament Theory of muscle contraction. 20+20+20=60
- Write an essay on types & function of placenta in mammals. 30+30=60
- Explain the secretions and functions of Adenohypophysis. 30+30=60
- What is aging ? Describe the symptoms of aging and the modern approaches to delay it. 30+30=60

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