

0231
TS



Total No. of Questions – 21
Total No. of Printed Pages – 2

Regd. No.

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Part – III
ZOOLOGY, Paper – II
(English Version)

Time : 3 Hours]

[Max. Marks : 60

Note : Read the following instructions carefully.

- (i) Answer **all** the questions of Section – A. Answer any **six** questions in Section – B and answer any **two** questions in Section – C.
- (ii) In Section – A, questions from Sr. Nos. **1** to **10** are of “Very Short Answer Type”. Each question carries **two** marks. Every answer may be limited to **5** lines. Answer **all** these questions at **one** place in the same order.
- (iii) In Section – B, questions from Sr. Nos. **11** to **18** are of “Short Answer Type”. Each question carries **four** marks. Every answer may be limited to **20** lines.
- (iv) In Section – C, questions from Sr. Nos. **19** to **21** are of “Long Answer Type”. Each question carries **eight** marks. Every answer may be limited to **60** lines.
- (v) Draw labelled diagrams wherever necessary for questions in Sections – B and C.

SECTION – A

10 × 2 = 20

Note : Answer **all** questions in **5** lines each :

1. What is chyme ?
2. What are columns of Bertini ?
3. What is triad system ?
4. Why is the sympathetic division called thoracolumbar division ?
5. What is acromegaly ? Name the hormone responsible for this disorder.

6. "Colostrum is very much essential for the new born infants." Justify.
7. List out two Indian Carps and two Exotic Carps.
8. What is apiculture ?
9. What are panspermia ?
10. Define Biogenetic law.

SECTION - B

6 × 4 = 24

Note : Answer any six questions in 20 lines each :

11. What are the major transport mechanisms for CO₂ ? Explain.
12. Draw a neat labelled diagram of L.S. of a tooth.
13. Give an account of synaptic transmission.
14. Write a note on Addison's disease and Cushing's syndrome.
15. Describe the various types of barriers of innate immunity.
16. Describe erythroblastosis foetalis.
17. Explain Darwin's theory of natural selection with industrial melanism as an experimental proof.
18. Explain the different types of Cancers.

SECTION - C

2 × 8 = 16

Note : Answer any two questions in 60 lines each :

19. Describe the male reproductive system of human. Draw a labelled diagram.
20. Describe the structure of the Heart of human with the help of neat labelled diagram.
21. Describe chromosomal theory of Sex determination.