231

I

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

Regd. No.

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

Time : 3 Hours] **[Max. Marks : 60**

Note : Read the following instructions carefully.

(i) Answer all 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 **five** 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 Section – B and

SECTION – A

I. Answer **all** questions. **10 × 2 = 20**

1. What are neuromast organs of fishes ? What is their function ?
2. Write two differences between palaeognathae and neognathae.
3. Name the five lobes of liver of Rabbit.
4. Distinguish between atlas and axis.

5. What is the reason for protrusion of eye ball in 'Grave's' disease ?

6. What is erythroblastosis foetalis ?

7. Distinguish between inbreeding and outbreeding.

8. How does sexual selection differ from natural selection ?

9. Distinguish between craft and gear in fishery.

10. What is meant by ELISA test ?

SECTION – B

II. Answer any **six** of the following questions. **6 × 4 = 24**

11. Mention the important general characters of urochordata.

12. Mention the general characters of Rhynchocepalia.

13. Draw a labelled diagram of T.S. of spinal cord.

14. What is hepatitis ? Explain any two types of viral hepatitis.

15. Write short note on Weismann's theory of germplasm.

16. Explain the orgin of the earth and atmosphere.

17. Explain any two viral and two bacterial diseases in poultry.

18. How is a CAT scan more useful in diagnostic imaging ?

SECTION – C

III. Answer any **two** of the following questions. **2 × 8 = 16**

19. Write an essay on the structure of the heart of Rabbit. Draw a neat labelled diagram of L.S. of heart.

20. Give an account of male reproductive system of Rabbit. Draw a labelled diagram of it.

21. Describe the sex determination in human being. How does it differ from that of Drosophila ?