231

II

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** the questions of Section – A. Answer any **six** questions out of **eight** in Section – B and answer any **two** questions out of **three** in Section – C.

(ii) In Section – A, questions from Sl. 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 Sl. 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 Sl. 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

Note : Answer **all** the questions. Each answer may be limited to **5** lines. **10 × 2 = 20**

1. Name different types of papillae present on the tongue of man.
2. Where is the valve of Thebesius in the heart of man ?
3. What is all-or-none principle ?
4. Distinguish between the blind spot and the yellow spot.
5. Which hormone is called antidiuretic hormone ? Write the name of the gland that secretes it.
6. What are androgens ? Which cells secrete them ?

7. What are the major components of the seminal fluid ?

8 What is 'Amniocentesis' ? Name any two disorders that can be detected by amniocentesis.

9. Define the terms layer and broiler.

10 List out any four features of cancer cells.

SECTION – B

Note : Answer any **six** questions. Each answer may be limited to **20** lines. **6 × 4 = 24**

11 Draw a neat labelled diagram of L.S. of a tooth.

12. What are the major transport mechanisms for CO_2 ? Explain.

13. Describe the structure of synovial joint with the help of a neat labelled diagram.

14. Write short notes on Immunoglobulins.

15. Describe the genetic basis of ABO blood grouping.

16 Distinguish between homologous and analogous organs.

17. Write a short note on Neo Darwinism.

18. List out the various steps involved in MOET.

SECTION – C

Note : Answer any **two** questions. Each answer may be limited to **60** lines : **2 × 8 = 16**

19. Describe the excretory system of man, giving the structure of a nephron.

20 Describe female reproductive system of a woman with the help of a labelled diagram.

21. What is criss-cross inheritance ? Explain the inheritance of one sex linked recessive character in human beings.