

**231****II**

Total No. of Questions – 21

Regd.

Total No. of Printed Pages – 2

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 in 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 in Sections – B and C.

**SECTION – A****10 × 2 = 20****Note :** Answer **all** the questions in **5** lines each :

1. What is Chyme ?
2. Define Glomerular Filtration.
3. What is Carpus Callosum ?
4. What is organ of Corti ?
5. What are Complement Proteins ?

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6. Differentiate between Perforins and Granzymes.
7. What is 'Amniocentesis' ? Name any two disorders that can be detected by Amniocentesis.
8. What are the measures one has to take to prevent contracting STDs ?
9. Define the terms Layer and Broiler.
10. What is Apiculture ?

### SECTION – B

Note : Answer any six questions in 20 lines each :

6 × 4 = 24

11. Draw a neat labelled diagram of L.S. of a tooth.
12. Describe disorders of Respiratory System.
13. Describe the structure of a Synovial Joint with the help of a neat labelled diagram.
14. Explain how Hypothyroidism and Hyperthyroidism can effect the body.
15. Describe Erythroblastosis foetalis.
16. Distinguish between Homologous and Analogous organs.
17. Explain Darwin's theory of Natural selection with industrial melanism as an experimental proof.
18. Write about the procedure involved in MRI.

### SECTION – C

Note : Answer any two questions in 60 lines each :

2 × 8 = 16

19. Write notes on the working of the heart of human.
20. Describe male reproductive system of human. Draw a labelled diagram of it.
21. What is Criss-cross Inheritance ? Explain the inheritance of one sex linked recessive character in human being.