

**231****III**

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 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

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

1. Name the different types of Salivary glands of man, and their locations in the human body.
2. Define Cardiac cycle and cardiac output.
3. Name two cranial sutures and their locations.

4. What do you know about arbor vitae ?
5. Distinguish between diabetes insipidus and diabetes mellitus.
6. Write the names of any four mononuclear phagocytes.
7. Name the yellow mass of cells accumulated in the empty follicle after ovulation. Name the hormone secreted by it. What is its function ?
8. What is 'Amniocentesis' ? Name any two disorders that can be detected by amniocentesis.
9. What is Apiculture ?
10. What is popularly called 'Guardian Angel' of Cell's Genome ?

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. Write short notes on the ribs of human being.
14. Write short notes on B-Cells.
15. How is sex determined in human beings ?
16. (a) Define Biogenetic Law, giving an example.
(b) Define atavism with an example.
17. Write a short ^{note} on Neo-Darwinism.
18. Discuss in brief ^x about 'Avian Flu'.

SECTION - C

Note : Answer any TWO questions in 60 lines each.

2 × 8 = 16

19. Explain the Physiology of Urine formation.
20. Describe male reproductive system of a man. Draw a labelled diagram of it.
21. What are multiple alleles ? Describe multiple alleles with the help of ABO blood groups in man.