





**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 :

- Answer all the questions of Section -A. Answer any six questions in (i) 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  $-\mathbf{B}$  and  $\mathbf{C}$ .

## SECTION – A

#### Note : Answer all the questions in 5 lines each. $10 \times 2 = 20$

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

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- 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.

 $6 \times 4 = 24$ 

- 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 on Neo-Darwinism.
- 18. Discuss in brief about 'Avian Flu'.

### **SECTION - C**

### Note : Answer any TWO questions in 60 lines each.

 $2 \times 8 = 16$ 

- 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.

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