

0231

(TS)

B

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.

- 1) Answer all the questions of Section 'A'. Answer any six questions in Section 'B' and answer any two questions in Section 'C'.
- 2) 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.
- 3) 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.
- 4) 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.
- 5) Draw labelled diagrams wherever necessary in Sections 'B' and 'C'.

**SECTION A****10 × 2 = 20****Answer all questions in 5 lines each.**

1. What is Chyme?
2. Define glomerular filtration.
3. Distinguish between the blind spot and the yellow spot.
4. What is corpus callosum?
5. Distinguish between diabetes insipidus and diabetes mellitus.
6. "Colostrum is very much essential for the new born infants". Justify.

7. Mention the names of any four connecting links that you have studied.
8. Define atavism with an example.
9. Mention any four fish by-products.
10. List any four features of cancer cells.

### SECTION B

6 × 4 = 24

Answer any six questions in 20 lines each.

11. Draw a neat labelled diagram of L.S. of a tooth.
12. Describe disorders of respiratory system.
13. Describe the structure of synovial joint with the help of a neat labelled diagram.
14. Give an account of the secretions of pituitary gland.
15. Write a short note on B- cells.
16. A colour-blind man married a woman who is the daughter of a colour-blind father and mother homozygous normal vision. What is the probability of their daughter being a colour-blind?
17. Distinguish between homologous and analogous organs.
18. Discuss briefly about the different waves and intervals in an E.C.G.

### SECTION C

2 × 8 = 16

Answer any two questions in 60 lines each.

19. Describe the structure of the heart of a man with the help of a neat labelled diagram.
20. Describe female reproductive system of a woman with the help of a labelled diagram.
21. Describe chromosomal theory of sex determination.