

231



Total No. of Questions - 21

Total No. of Printed Pages - 2

Regd.
No.

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Part - III
ZOOLOGY, Paper - II
(English Version)

Time : 3 Hours

Max. Marks : 60

Note : Read the following instructions carefully.

- 1) Answer all 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 for questions in Sections 'B' and 'C'.

SECTION A

10 × 2 = 20

Note : Answer all questions in 5 lines each.

1. Name the different types of papillae present on the tongue of a man.
2. Name the blood vessels that enter and exit the kidney.
3. Write the differences between actin and myosin.
4. Name the keystone bone of the cranium. Where is it located?
5. "Colostrum is very much essential for the new born infants". Justify.
6. Write the names of any four mononuclear phagocytes.

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 the contracting STDs?
9. List out any four features of cancer cells.
10. What is apiculture?

SECTION B

6 × 4 = 24

Note : Answer any six questions in 20 lines each.

11. What are the functions of liver?
12. What are the major transport mechanisms for CO_2 ? Explain.
13. Draw a labelled diagram of the T.S. of the spinal cord of a man.
14. Explain how hypothyroidism and hyperthyroidism can affect 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

2 × 8 = 16

Note : Answer any two questions in 60 lines each.

19. Write a note on the working of the heart of a man.
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.