

231 (N)
(NEW SYLLABUS)



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.

- (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 Sl. 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 Sl. 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 Sl. 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

10×2=20

Note : Answer *all* the questions.

1. What is meant by Chloride Shift ?
2. Define Glomerular filtration.
3. What is Triad system ?
4. Name the key stone bone of the Cranium. Where is it located ?
5. Distinguish between Diabetes insipidus and Diabetes mellitus.

6. What is Erythropoietin ? What is its function ?
7. What in your view are the reasons for the population explosion, especially in India ?
8. What is Amniocentesis ? Name any two disorders that can be detected by Amniocentesis ?
9. What is 'Apiculture' ?
10. Which substances in a sample are detected by direct and indirect ELISA respectively ?

SECTION - B

6×4=24

Note : Answer **ANY SIX** questions.

11. How is respiratory movements regulated in man ?
12. Draw a neat labelled diagram of L.S. of tooth.
13. Describe the structure of Synovial joint with the help of a neat labelled diagram.
14. Write short notes on B-cells.
15. Describe Erythroblastosis fetalis.
16. Distinguish between Homologous and Analogous organs.
17. Explain Darwin's theory of Natural Selection with industrial melanism as an experimental proof.
18. Explain different types of Cancers.

SECTION - C

2×8=16

Note : Answer **ANY TWO** of the following questions.

19. Describe the structure of the heart of a man. Draw a neat labelled diagram of it.
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.