



231

II

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 out of eight in Section - B and answer any **two** questions out of three 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. Each answer may be limited to 5 lines.

10 × 2 = 20

1. What is meant by chloride shift ?
2. Define glomerular filtration.
3. Name the cranial meninges covering the brain of man.
4. What is all-or-none principle ?
5. Distinguish between diabetes insipidus and diabetes mellitus.
6. "Colostrum is very much essential for the new born infants." Justify.

[1 of 2]

231

7. What in your view are the reasons for population explosion especially in India ?
8. Mention the advantages of Lactational amenorrhea method.
9. What is popularly called "Guardian Angel of cell's Genome" ?
10. What is electrocardiography and what are the normal components of ECG ?

SECTION - B

Note : Answer any **six** questions. Each answer may be limited to **20** lines each. **6 × 4 = 24**

11. Describe disorders of respiratory system.
12. Draw a labelled diagram of the V.S. of kidney.
13. What is Cori's cycle ? Explain the process.
14. Write a note on Addison's disease and Cushing's syndrome.
15. Write short note on B-cells.
16. How is sex determined in human beings ?
17. Describe erythroblastosis foetalis.
18. Explain the different types of cancers.

SECTION - C

Note : Answer any **two** questions. Each answer may be limited to **60** lines. **2 × 8 = 16**

19. Describe the structure of the heart of man with the help of neat labelled diagram.
20. Describe male reproductive system of a man. Draw a labelled diagram of it.
21. What is criss-cross inheritance ? Explain the inheritance of one sex linked recessive character in human beings.