

231

Total No. of Questions – 21

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Total No. of Printed Pages - 2

No.

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

Time : 3 Hours]

[Max. Marks : 60

Note : Read the following instructions carefully.

- (i) Answer **all** questions of Section – A. Answer any **six** questions in 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 **five** 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 Section – B and C.

SECTION – A

I. Answer **all** questions.

10 × 2 = 20

1. Name the bioluminescent tunicate. To which class does it belong ?
2. Distinguish between neurotoxic venom and haemolytic venom.
3. Name the juice produced by liver. How does it help in digestion of fats ?
4. Name the fluid present in the joint capsule. What is its function ?

5. What is Corpus Callosum ?
6. What is Freemartin ?
7. Enlist any two Y-linked characters in human beings.
8. Distinguish between germplasm and somatoplasm.
9. Why are elasmobranchs not used as food fishes ?
10. Why is a pregnant woman not advised to go for X-ray radiograph ?

SECTION – B

II. Answer any **six** of the following questions :

6 × 4 = 24

11. Write short note on Dipnoi.
12. Mention differences between Palaeognathae and Neognathae.
13. Draw a labelled diagram of T.S. of spinal cord.
14. What is hepatitis ? Explain any two types of viral hepatitis ?
15. How is abiogenesis theory disproved experimentally ?
16. Explain Darwin's theory of Natural Selection with Industrial Melanism.
17. Explain the terms-prolapse, deworming, cannibalism and dubbing in poultry.
18. Describe the various types of cancers.

SECTION – C

III. Answer any **two** of the following questions :

2 × 8 = 16

19. Describe the structure of the heart of rabbit. Draw a neat, labelled diagram of L.S. of heart.
20. Describe the male reproductive system of rabbit. Draw a labelled diagram of it.
21. Describe the sex determination in human being. How does it differ from that of Drosophila ?