

Senior Inter Zoology Model Paper

60 Marks

[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 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) In Section – B and C, draw labelled diagrams wherever necessary.

SECTION – A

10 X 2 = 20 M

1. Explain the terms thecodont and diphyodont dentition.
2. Define glomerular filtration.
3. Distinguish between red muscle fibers and white muscle fibers.
4. How do rods and cones of human eye differ from each other chemically and functionally?
5. Write the names of any four mononuclear phagocytes.
6. What is acromegaly? Name the hormone responsible for this disorders.
7. What is parturition? Which hormones are involved in inducing parturition?
8. What in your view are the reasons for population explosion, especially in India?
9. Mention any two advantages of inbreeding.
10. Define vaccine and discuss about types of vaccines.

SECTION – B

6 X 4 = 24 m

11. What are the functions of liver?
12. What are the major transport mechanisms for CO₂ transport?
13. Draw a labelled diagram of the pelvic girdle of man.
14. Give an account of the secretions of Pituitary gland.
15. Explain the inheritance of sex influenced characters in human beings.
16. What is meant by genetic drift? Explain genetic drift citing the example of Founder effect.
17. Write a short note on Neodarwinism.
18. Write short notes on EEG.

SECTION – C

2 x 8 = 16 m

19. Write notes on the working of the heart of man.
20. Describe the human male reproductive system. Draw a labelled diagram of it.
21. What is crisscross inheritance? Explain the inheritance of one sex linked recessive character in human beings.