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 marks

1. **Mention any two occupational respiratory disorders and their causes in human beings.**
2. **Name the valves that guard the left and right atrioventricular apertures in man.**
3. **What is triad system?**
4. **What is organ of Corti?**
5. **Which hormone is commonly known as fight and flight hormone?**
6. **Differentiate between perforins and Granzymes.**
7. **What is 'Amniocentesis'? Name any two disorders that can be detected by amniocentesis.**
8. **Define spermiogenesis and spermiation.**
9. **What is apiculture?**
10. **What is electrocardiography? What are the normal components of ECG?**

SECTION – C 6 X 4 = 24

11. **Describe the process of digestion of proteins in the stomach.**
12. **Explain the process of inspiration and expiration under normal conditions.**
13. **Draw a labelled diagram of the T.S. of spinal cord of man.**
14. **Write short notes on Immunoglobulins.**
15. **Describe the genic balance theory of sex determination.**
16. **Distinguish between homologous and analogous organs**
17. **Explain Darwin's theory of Natural Selection with industrial melanism as an experimental proof.**
18. **Explain the different types of cancers.**

SECTION – C 2 X 8 = 16 M

19. **Describe the structure of the heart of man with the help of neat labelled diagram.**
20. **Describe human female reproductive system . Draw a labelled diagram.**
21. **Describe the chromosomal theory of sex determination.**