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. **What is chyme?**
2. **Name the aortic arches arising from the ventricles of the heart of man**
3. **Name the key stone bone of the cranium. Where is it located?**
4. **What is Corpus Callosum**
5. **Distinguish between diabetes insipidus and diabetes mellitus.**
6. **"Colostrum is very much essential for the new born infants". Justify.**
7. **What is menstrual cycle? Which hormones regulate menstrual cycle?**
8. **Mention the advantages of 'lactational amenorrhea method'.**
9. **Explain the term Hypophysation.**
10. **What is popularly called as 'Guardian Angel of Cell's genome'?**

SECTION – B 6 X 4 = 24

11. **Describe the respiratory disorders.**
12. **Draw a neat labelled diagram of L.S. of tooth.**
13. **Describe the sliding filament theory of muscle contraction.**
14. **Write a note on Addison's disease and Cushing's disease.**
15. **Explain the inheritance of sex linked recessive character in human beings.**
16. **Write a short note on the theory of mutations.**
17. **Discuss the role of different patterns of selections in evolution.**
18. **Write briefly about diferent waves and intervas in an ECG.**

SECTION – C 2 X 8 = 16

19. **What are multiple alleles? Describe multiple alleles with the help of ABO blood groups in man.**
20. **Describe the excretory system of man, giving the structure of a nephron.**
21. **Describe the Male reproductive system with the help of a labelled diagram.**

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