

BOARD OF INTERMEDIATE EDUCATION

SENIOR INTER ZOOLOGY

MODEL PAPER (ENGLISH VERSION)

TIME: 3 HOURS

MAX.MARKS: 60

SECTION – A

I. i) Very Short Answer Type questions.

ii) Answer ALL questions.

iii) Each question carries TWO marks.

10 × 2 = 20

1. What is meant by chloride shift?
2. Why sinoatrial node is called pacemaker?
3. Name the three ear ossicles of man and their evolutionary origin.
4. What is organ of corti?
5. Colostrum is essential for new borns. Justify.
6. What are the functions of sertoli cells and leydig cells in human testes?
7. What is meant by implantation?
8. What is amniocentesis? Name any two disorders that can be detected by it.
9. What is lyonisation?
10. Mention any two features of PCR.

SECTION – B

II. i) Short Answer Type questions.

ii) Answer any SIX questions.

iii) Each question carries FOUR marks.

6 × 4 = 24

11. Draw labelled diagram of L.S. of tooth.
12. Explain the mechanism of blood clotting.
13. Describe structure of a synovial joint with the help of labeled diagram.
14. Give an account of secretions of pituitary gland.
15. Describe genie balance theory of sex determination in *Drosophila*.
16. Distinguish between homologous and analogous organs.
17. What is meant by genetic drift? Explain it citing the example of founders effect.
18. Describe briefly the process of indirect ELISA.

SECTION – C

III. i) Long Answer Type questions.

ii) Answer any TWO questions.

iii) Each question carries EIGHT marks.

2 × 8 = 16

- 19.** Describe the process of urine formation.
- 20.** Give an account of structure and functions of human brain.
- 21.** What is DNA finger printing? Mention its applications.

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