

## SENIOR INTER – ZOOLOGY - MARCH 2010

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### SECTION A VSAQ ANSWER ALL

10 X 2 = 20

1. Distinguish between Ichthyopsida and Sauropsida.
2. Name the only reptile without a copulatory organ. Why is it considered as a living fossil ?
3. Draw that diagram of an oxygen dissociation curve.
4. What is meant by augmentation ? In which parts of nephron does it occurs?
5. What is the most commonly used screening test for HIV /
6. What is erythroblastosis foetalis ?
7. List out any two applications of the DNA fingerprinting technology.
8. Give two examples of use and disuse. One for each.
9. Why are elasmobranchs not used as food fishes
10. What is metastasis ?

### SECTION B SAQ ANSWER ANY SIX 6 X 4 =24

11. Write short notes on Dipnoi.
12. Give general characters of egg laying mammals.
13. Draw a neat labelled diagram of L.S. of tooth of rabbit.
14. Describe the events in cardiac cycle.
15. Explain Darwin's theory of natural selection with industrial melanism.
16. Describe the evolution of molecules.
17. Explain the terms prolapsed, deworming, cannibalism and dubbing
18. Explain the importance of ECG in monitoring the vital function of the heart.

### SECTION C ANSWER ANY TWO 2X8 = 16

19. Describe the chromosomal theory of sex determination.
20. Describe the male reproductive system of rabbit. Draw its diagram.
21. Describe the structure and functions of the brain of rabbit.