

SENIOR INTER ZOOLOGY

MARCH 2011

SECTION A

ANSWER ALL

10 X 2 = 20

1. What are nuclei pulposi ?
2. What is 'foramen of Panizza' ?
3. Name the muscles that help in breathing movements.
4. How much of lactic acid formed during muscle contraction becomes glycogen ? Name the cyclical reaction involved in it.
5. What are interferons?
6. What is Klienefelter syndrome ?
7. What is heterosis ?
8. Distinguish between germplasm and somatoplasm.
9. What is debeaking ? when are the poultry layer birds debeaked ?
10. What is importance of Omega 3 fatty acids ? name any two sources.

SECTION B

ANSWER ANY 6

6 X 4 = 24

11. Mention eight differences between chondrichthyes and osteichthyes.
12. explain a quill feather with a neat labelled diagram.
13. explain the role of the pancreas as an endocrine gland in a rabbit.
14. Draw a neat labelled diagram of the T.S. of spinal cord.
15. Explain Hardy-Weinberg equilibrium.
16. How is the abiogenesis theory disproved experimentally?
17. what are monoclonal antibodies ? how are they produced ?
18. Explain the importance of EEG in monitoring the vital function of the brain

SECTION C

ANSWER ANY 2

2 X 8 =16

19. Explain the working of the heart of a rabbit. Draw a labelled diagram.
20. Describe the excretory system in a rabbit giving the structure of the nephron. Draw a labelled diagram.
21. What are multiple alleles ? Describe multiple alleles with the help of ABO blood groups