

ZOOLOGY - SENIOR INTER - JUNE 2011

SECTION - A ANSWER ALL

10 X 2 = 20

1. Give two important characters of Apoda.
2. Give the standard dental formulae of Metatherians and Eutherians.
3. Draw a rough diagram of Rabbit's tongue and mark any two types of papillae.
4. Mention the functions Sertoli and Leydig cells of Seminiferous tubules in rabbit.
5. Name the largest and smallest cranial nerves of Rabbit.
6. What is the Universal donor and universal recipient t?
7. What is criss-cross inheritance?
8. Write the significance of 'swan neck flask' experiment conducted by Pasteur.
9. Distinguish between culture fishery and capture fishery.
10. Name any two hormones produced by rDNA technology.

SECTION -- B ANSWER ANY SIX

6 X 4 = 24

11. Explain the fundamental chordate characters.
12. Write short notes on Archaeopteryx.
13. Explain any two types of viral hepatitis.
14. Draw a diagram of pancreas with a neat labelling.
15. Explain Lamarck's theory of 'use and disuse'.
16. Critically examine De Vries theory of mutation.
17. Explain any two bacterial and two viral diseases in poultry.
18. Describe the various types of cancers.

SECTION C ANSWER ANY TWO

2 X 8 = 16

19. Write notes on working of heart of rabbit.
20. What is a joint ? describe in detail various types of joints found in mammalian body.
21. Describe the chromosomal theory of sex determination.