

Senior Inter Zoology Model Paper

Zoology, Paper-II (English Version)

Time: 3 Hours

Max. Marks: 60

Section - A

I. Answer all the following questions. 10 * 2 = 20

1. Mention any two occupational respiratory disorders and their causes in human beings.
2. Name the valves that guard the left and right atrioventricular apertures in man.
3. Name the keystone bone of the cranium. Where is it located?
4. What is organ of Corti?
5. What is acromegaly? Name the hormone responsible for this disorders?
6. "Colostrum is very much essential for the new born infants". Justify.
7. What is 'Amniocentesis'? Name any two disorders that can be detected by amniocentesis.
8. What is parturition? Which hormones are involved in inducing parturition?

9. Mention any two advantages of inbreeding.
10. What is electrocardiography? What are the normal components of ECG?

Section - B

II. Answer Any Six of the following questions. 6 * 4 = 24

11. Describe the process of digestion of proteins in the stomach.
12. Explain the process of inspiration and expiration under normal conditions.
13. Draw a labelled diagram of the T.S. of spinal cord of man.
14. Write short notes on Immunoglobulins.
15. Describe the Genic balance theory of sex determination.
16. Distinguish between homologous and analogous organs.
17. Explain Darwin's theory of Natural Selection with industrial melanism as an experimental proof.
18. Explain the different types of cancers.

Section - C

III. Answer Any Two of the following questions. 2 * 8 = 16

- 19. Describe the structure of the heart of man with the help of neat labelled diagram.
- 20. Describe human female reproductive system. Draw a labelled diagram.
- 21. Describe the chromosomal theory of sex determination.

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