



# BIOLOGY

## BOOKS - VGS PUBLICATION-BRILLIANT

### ZOOLOGY MODEL PAPER 14

#### Section A

1. Bile juice contains no digestive enzymes, yet it is important for digestion. How ?



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2. What happens to the respiratory process in a man going up a hill?



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3. What is juxtaglomerular apparatus ?



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4. What is a 'motor unit' with reference to a muscle and nerve ?



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5. Name the type of joint between a) atlas/axis b) carpal metacarpal of the human thumb



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6. Distinguish between diabetes insipidus and diabetes mellitus.



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7. Colostrum is very much essential for the newborn infants. Justify.



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**8.** Define gestation period. What is the duration of gestation period in the human beings ?



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**9.** Distinguish between out-cross and cross-breed.



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**10.** Define the term 'vaccine'.



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## Section B

**1.** If you take butter in your food, how does it get digested and absorbed in the body?

Explain.



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2. Draw a labelled diagram of the T.S. of the spinal cord of man.



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3. Give an account of the secretions of pituitary gland.



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4. Briefly describe the common sexually transmitted diseases in human beings.



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5. How is sex determined in human beings ?



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6. Distinguish between homologous and analogous organs.





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7. Write a short note on Neo-Darwinism.



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8. Explain the different types of cancers.



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**Section C**

1. Describe the structure of the heart of man with the help of neat labelled diagram.



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2. Describe the male reproductive system in Human.



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3. What are multiple alleles Describe multiple alleles with the help of ABO blood groups in man.



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