



# BIOLOGY

## BOOKS - VGS PUBLICATION-BRILLIANT

### MODEL PAPER 5

#### Section A

1. Name different types of papillae present on the tongue of man.



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2. Name the blood vessels that enter and exit the kidney.



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3. Write the difference between actin and myosin.



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4. Name the keystone bone of the cranium.

Where is it located ?



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



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6. Write the names of any four mononuclear phagocytes.



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7. What is 'amniocentesis' ? Name any two disorders that can be detected by amniocentesis.



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**8.** What are the measures one has to take to prevent from contracting STDs?



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**9.** List out any four features of cancer cells.



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**10.** What is apiculture ?



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## Section B

1. What are the functions of liver ?



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2. What are the major transport mechanisms for  $CO_2$ ?- Explain.



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

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4. Explain how hypothyroidism, and hyperthyroidism can affect the body.

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5. What is erythroblastosis foetalis?





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6. Distinguish between homologous and analogous organs.



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7. Explain Darwin's theory of Natural Selection with industrial melanism as an experimental proof.



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8. Write about the procedure involved in MRI.



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## Section C

1. Write notes on the working of the heart of man.



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2. Describe female reproductive system of a woman with the help of a labelled diagram.



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3. What is crisscross inheritance ? Explain the inheritance of one " sex linked recessive character in human beings.



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