



# BIOLOGY

## BOOKS - VGS PUBLICATION-BRILLIANT

### MODEL PAPER 07

#### Section A

1. What is meant by chloride shift?



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2. Define glomerular filtration.



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3. Write the difference between actin and myosin.



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4. How do rods and cones of human eye differ from each other chemically and functionally?



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5. What is 'insulin shock'?



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6. Write the names of any four mononuclear phagocytes.



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7. Name the yellow mass of cells accumulated in the empty follicle after ovulation. Name the hormone secreted by it and what is its function ?



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



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9. Distinguish between a drone and worker in honey bee colony



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10. MRI scan in harmless-justify.



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**Section B**

1. Draw a neat labelled diagram of LS of tooth.



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2. Explain the process of inspiration and expiration under normal conditions ?



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3. Describe the structure of synovial joint with the help of a neat labelled diagram.



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4. Compare a pituitary dwarf and a thyroid dwarf in respect of similarities and dissimilarities they possess.



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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.** 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 of frog with the help of a labelled diagram.



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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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