



BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

QUESTION PAPER 2019

Section A

1. What are the different types of papillae present on the tongue ?



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2. What are the components of the circulatory system in human beings? What are their functions?



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3. Find the correct statement with regard to the arrangement of myosin molecules in a sarcomere





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4. What is organ of Corti?



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5. Name the gland that increases in size during childhood and decreases in size during adulthood. What important role does it play in case of infection ?



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6. The condition that stimulates the kidney to secrete erythropoietin is



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7. Government of India legalised MTP in the year



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8. Lactational amenorrhoea, is a natural way of birth spacing. It is due to high level of



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9. Mention any four fish by-products.



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10. How many amino acids and polypeptide chains are present in insulin?



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Section B

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



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



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



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4. Write short notes on Immunoglobulins.



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5. Erythroblastosis foetalis develops in newborn due to incompatibility between



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6. Write a brief note on Homologous and analogous organs.



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7. What is meant by genetic drift ? Explain genetic drift citing the example of Founder Effect.



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8. Describe the process of digestion in digestive system.



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9. Give two examples for respiratory diseases.



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10. Draw a neat labelled diagram of pelvic girdle.



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11. Addison's disease is due to the



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12. What is the mechanism by which the AIDS virus causes deficiency of immune system of the infected person?



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13. The most accepted line of descent in human evolution is



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14. Explain the Darwin's theory of Natural selection with an example. What do you understand by the term natural selection ?
Write Darwin's theory of evolution.



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15. Ramu got injured while playing Kabaddi. His blood clotted within 6 minutes. Write the procedure involved in it.



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Section C

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



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2. Criss cross inheritance is shown by



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3. Describe the excretory system of man, giving the structure of a nephron.



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4. Describe the human female reproductive system with the help of labelled diagram.



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5. Describe chromosomal theory of Sex determination.



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Section A

1. What is chyme ?



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2. What are the major parts of neuron?



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3. The smallest bone of the face is



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



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6. What is Capacitation of sperms ?



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7. In multiple allele system, a gamete has alleles



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8. In honey bee colony the bees with reduced wings and reduced mouth parts are respectively



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9. A human female with Turner's syndrome



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10. Mention any four fish by-products.



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