



BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

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Section A

1. Osmosis is



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2. What do you understand by the term auto-protolysis of water? What is its significance?



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3. Hyper conjugation phenomenon is possible in:



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4. Who had proposed the chromosomal theory of the inheritance?



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5. What are the components of nucleic acid ?



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6. What are the main differences between DNA and RNA?



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7. What are molecular scissors ? Where are they obtained from?



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8. Which of the following disease can be prevented by vaccination?



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9. Which of the following is used to produce SCP on commercial scale



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10. Name any two industrially important heterogeneous catalytic reactions mentioning the catalysts used.



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1. Transpiration is necessary evil. Explain?



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2. What are the steps involved in formation of a root nodule?



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3. What are enzymes inhibitors?



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4. Write a note on agricultural / horticultural applications of auxins.



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5. Explain the structure of T-even Bacteriophages .



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6. Mendel selected a pea plant for his experiments. Mention the reasons for the selection of these plants.



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7. What are the important features of Genetic code ?



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8. Compare and contrast the advantages and disadvantages of production of genetically modified crops.



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Section C

1. In Krebs cycle



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2. The first human hormone produced by recombinant DNA technology is :



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3. The biggest constraints of plant breeding is:



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