



BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

ORGANIC EVOLUTION

Important Questions

1. What are panspermia ?



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2. Symbiotically prokaryotes lived in the ancestral eukaryotes and evolved into organelles like



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3. Write a short note on the theory of Natural selection"



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4. Which of the following is not a principle of Lamarckism?



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5. What is meant by genetic load. Give an example.



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6. The scientific name of Java ape man





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7. In the evolution of man which was more ape like form?



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



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9. Write a brief note on chromosomal mutations and gene mutations



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10. 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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11. Write a short note on Neo-Darwinism.



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Very Short Answer Questions

1. What are panspermia ?



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2. The free genes started absorbing the organic compounds from the prebiotic soup and evolved into



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3. Eukaryotes possess



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4. The atmosphere of primitive earth was



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5. Mention the names of any four connecting links that you have studied.



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6. Define Biogenetic law, giving an example.



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7. Define atavism with an example.



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8. what is inheritance of acquired characters?



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9. Write a short note on the theory of Natural selection"



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10. What examples you will give to prove that Lamarckism is not correct ?



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11. What is meant by genetic load. Give an example.



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12. Distinguish between allopatric and sympatric speciations.



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13. The scientific name of Java ape man



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Short Answer Questions

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



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2. Write a brief note on chromosomal mutations and gene mutations



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3. What does the theory of natural selection state?



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4. Which one of the following phenomena supports Darwin's concept of natural selection in organic evolution ?



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5. Write a short note on Neo-Darwinism.



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6. In a population of 100 rabbits 40 are short eared. Short ears are recessive to long ears. There are only two alleles for this gene. Long eared are 60 which are in 1:1 ratio of homozygous and heterozygous. Find out the dominant allelic frequency?.



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7. what is genetic drift? Explain how it provides diversity in the population. ?



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