



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

EVOLUTION

One Marks Question

1. What is a ablogenesis?



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2. Define Analogous organs.



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3. Define homologous organs.



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4. What is paleontology?



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5. Define evolution as per Hardy Weinberg.



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6. What is meant by gene flow?



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7. Define genetic drift/Sewall Wright effects.



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8. Name the modern Darwinism theory that incorporates DNA and the concept of molecular biology?



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9. DDT was known to be highly effective insecticide in the past. Why did it not wipe out all mosquito population



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10. Name the phenomenon by which rapid speciation takes place?



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11. Name the two scientists who set up a special experiment to prove Oparia's theory of origin of life?



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12. What provided energy for a biotie syntbesis on primitive earth



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13. Who showed that life comes from pre-existing life!



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14. What is mant by Gene peol?



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15. State Hardy-Weinberg principle.



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16. Write the scientific name of man who lived about 1.5 million years ago and probably ate meat.



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Two Marks Question

1. What is the significance of archaopteryx in the study of organic evolution?



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2. Differentiate between Homo habilis and Homo erectus.



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3. What are coacervates? Give their importance in the origin of life.



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4. What is convergent evolution? Give an example.



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5. What is adaptive radiation? Give example.



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6. Define the terms : a) Gene Flow b) Genetic drift.



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7. What are analogous organs? Give an example.



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8. Darwin's finches represent one of the best examples for adaptive radiation".Comment.



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Three Marks Question

1. Write a short note on analogous and homologous organs?



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2. Name the following

(a) This man like primate walked in eastern Africa.

(b) This primate lived in east African grassland.

(c) The primate which lived in east and central Asia between 1,00,000 to 40,000 years back.



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3. State Hardy-Weinberg equilibrium and mention the factors affecting the equilibrium of a population.



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4. a) Write a note on homologous organs.

b) Write the scientific name of man like primate who lived in East African grasslands about 3 - 4 million years ago.



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5. Define homology. Mention any four evidences in support of evolution.



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Five Marks Question

1. What was the experiment of Stanley Miller (1953) on the origin of life?



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2. How did industrial revolution in England offer an example to natural selection?



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3. What is Neo-Darwinism? What are its advantages over Darwinism?



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