



BIOLOGY

BOOKS - SARAS PUBLICATION

BIODIVERSITY AND ITS CONSERVATION

Example

1. Define endemism.



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2. What is mass extinction? Will you encounter one such extinction in the near future? Enumerate the steps to be taken to prevent it.



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3. What is Biodiversity?



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4. What is genetic diversity?



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5. Define species diversity.



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6. What is species richness ?



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7. What is ecosystem/community diversity?



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8. Define Alpha diversity.



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9. Define Beta diversity.



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10. Define Gamma diversity.



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11. What is habitat loss?



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12. What is habitat fragmentation?



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13. Define co-extinction.



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14. Write a note on extinction and its types.



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15. What is an endangered species?



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16. What is natural selection?



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18. What is a protected area?



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19. What are Gene banks?



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20. Define co-extinction.



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21. Compare and Contrast the insitu and exsitu conservation.



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Exercise

1. The organization which published the red list of species is

A. WWF

B. IUCN

C. ZSI

D. UNEP

Answer:



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2. Which one of the following is not coming under in-situ conservation?

A. Sanctuaries

B. National parks

C. Zoological park

D. Biosphere reserve

Answer:



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3. Who introduced the term biodiversity?

A. Edward Wilson

B. Walter Rosen

C. Norman Myers

D. Alice Norman

Answer:



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4. Which is not true about jhum cultivation

A. It is slash and burn agriculture

B. It is known as shifting agriculture

C. It is prevalent in North eastern States of
India

D. It is modern agriculture

Answer:



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5. Fruit eaters are known as

A. Frugivore

B. Carnivore

C. Herbivore

D. Omnivore

Answer:



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6. How many hotspots are there in India?

Name them.



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7. What are the three levels of biodiversity?



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8. Name the active chemical found in the medicinal plant *Rauwolfia vomitoria*. What type of diversity it belongs to?



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10. Why North East region is the "Biogeographical gateway" for much of India's fauna and flora?



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11. What are sacred groves? What is their role in conservation?



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12. How "food security" is affected by even reduction in one species?



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13. "Amazon forest is considered to be the lungs of the planet" - Justify this statement.



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14. Why do animals have greater diversification than plant diversity?



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15. How can we contribute to promote biodiversity conservation?



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16. What is the impact of 'colony collapse syndrome' in honey bees?



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17. Which is the largest geographical regions of India?



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18. Write a note on this region.



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22. Why India is very rich in terms of biological diversity?



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23. Define. "Red List".



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24. Which region covers the Southern central plateaus with deciduous vegetation?



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