



BIOLOGY

BOOKS - PREMIERS PUBLISHERS

BIODIVERSITY AND ITS CONSERVATION

Evaluation Textbook Questions Answers

1. Which of the following region has maximum biodiversity?

A. Taiga

B. Tropical forest

C. Temperate rain forest

D. Mangroves

Answer: B



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2. Conservation of biodiversity within their natural habitat is.

- A. Insitu conservation
- B. Exsitu conservation
- C. In vivo conservation
- D. In vitro conseration

Answer: A



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3. Which one of the following is not coming under insitu conservation?

A. Sanctuaries

B. Natural parks

C. Zoological park

D. Biosphere reserve

Answer: C



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4. Which of the following is considered a hotspots of biodiversity in India?

- A. Western ghats
- B. Indo-gangetic plain
- C. Eastern Himalayas
- D. A and C

Answer: A



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

A. WWF

B. IUCN

C. ZSI

D. UNEP

Answer: B



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6. The region of Biosphere Reserve which is legally protected and where no human activity is allowed is known as:

A. Buffer zone

B. Transition zone

C. Restoration zone

D. Core zone

Answer: D



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7. Who introduced the term biodiversity?

A. Edward Wilson

B. Walter Rosen

C. Norman Myers

D. Alice Norman

Answer: B



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8. Which of the following forests is known as the lungs of the planet earth?

A. Tundra forest

B. Rain forest of north east India

C. Taiga forest

D. Amazon rain forest

Answer: D



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9. Which one of the following are at high risk extinction due to habitat destruction?

A. Mammals

B. Birds

C. Amphibians

D. Echinoderms

Answer: C



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10. Define endemism.



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11. How many hotspots are there in India?

Name them.



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12. What are the three levels of biodiversity?



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



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



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15. 'Red data book' - What do you know about it ?



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16. Extinction of a keystone species led to loss of biodiversity. Justify.



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17. Compare and Contrast the insitu and exsitu conservation.



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18. What are called endangered species?

Explain with examples.



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19. Why do we find a decrease in biodiversity distribution, if we move from the tropics towards the poles?



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20. Why are the factors that drive habitat loss?



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21. Where are biodiversity hotspots normally located ? Why?



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22. Why is biodiversity so important and worthy of protection?



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



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24. Alien species invasion is a threat to endemic species - substantiate this statement.



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25. Mention the major threats to biodiversity caused by human activities. Explain.



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26. 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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27. In north eastern states, the jhum culture is a major threat to biodiversity - substantiate



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28. List out the various causes for biodiversity losses.



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29. How can we contribute to promote biodiversity conservation?



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30. Stability of a community depends upon its species diversity' Justify the statement.



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31. Write a note on (i) Protected areas.



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32. Write a note on (ii) Wildlife sanctuaries



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33. Write a note on WWF



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Other Important Questions Answers Choose The Correct Answers

1. Sunda lands include:

A. Himalaya

B. Nicobar islands

C. Andaman

D. Srilanka

Answer: B



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2. The year of establishment of Mudumalai NP is:

A. 1976

B. 1980

C. 1990

D. 1989

Answer: C



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3. Biosphere reserve in India includes:

A. Gulf of mannar

B. Madras crocodile Bank

C. Guindy National park

D. National tiger project

Answer: A



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4. The UN Earth summit, which defined Biodiversity, was held in the year:

A. 1990

B. 1992

C. 1982

D. 1996

Answer: B



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5. Choose the odd man out:

A. Walter Rosen

B. Alexander Rom Humboldt

C. Charles Darwin

D. Edward Wilson

Answer: C



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6. Find out the odd one:

A. *Oryza sativa*

B. mango

C. wheat

D. *Rouwolfia vomitaria*

Answer: D



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7. Indicate the odd one out:

A. Western Ghats

B. Gulf of Mannar

C. Himalayas

D. Gangetic plain

Answer: B



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8. Choose the odd one out:

A. Habitat lose

B. Pollution

C. Population control

D. Over exploitation

Answer: C



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**Other Important Questions Answers Assertion
And Reason**

1. Assertion:The biodiversity is very important and worthy to protect.

Reason: Because it provides sustainable -
benefits for the present as well as future
generations.

A. Both assertion and reason are correct,
reason is the correct explanation of
assertion.

B. Both assertion and reason are correct,
reason is not the correct explanation of
assertion.

C. Assertion is correct, reason is not correct.

D. Assertion is not correct, reason is correct

Answer: A



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2. Assertion: Gene bank is a type of biorepository of genetic materials.

Reason: The genetic materials can be retrieved to revive endangered / threatened species.

A. Both assertion and reason are correct,
reason is the correct explanation of
assertion.

B. Both assertion and reason are correct,
reason is not the correct explanation of
assertion.

C. Assertion is correct, reason is not
correct.

D. Assertion is not correct, reason is
correct

Answer: A



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3. Assertion: Biodiversity supplies a large number of goods and services that sustain human life.

Reason: It supplies food, fuel and building materials.

A. Both assertion and reason are correct, reason is the correct explanation of

assertion.

B. Both assertion and reason are correct,

reason is not the correct explanation of

assertion.

C. Assertion is correct, reason is not

correct.

D. Assertion is not correct, reason is

correct.

Answer: B



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4. Assertion: Arignar Anna Zoological park at Vandalur is the place of in-situ conservation of animals.

Reason: The Zoo has many attractive features like Butterfly park, Aviary, Lion and deer safari, forest museum etc.

A. Both assertion and reason are correct, reason is the correct explanation of assertion.

B. Both assertion and reason are correct, reason is not the correct explanation of assertion.

C. Assertion is correct, reason is not correct.

D. Assertion is not correct, reason is correct.

Answer: D



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Other Important Questions Answers

1. Which of the following statement is correct?

A. Ex-situ conservation is the conservation of a species in places of their natural homes.

B. Ex-situ conservation is the conservation of species in Botanical gardens.

C. Ex-situ conservation is the conservation of animals / plants in places outside

their natural homes.

D. None of the above

Answer: C



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2. Choose the incorrect statement:

A. Biodiversity is the variety of all life on Earth.

B. To date, about one million species have been identified on Earth.

C. Sacred groves feature in various cultures throughout the world.

D. None of the above

Answer: B



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3. Identify the correct statement:

A. Pollution is the only major cause for biodiversity loss.

B. Species have been evolving and dying out ever since the origin of life.

C. Now a days, the species are becoming extinct at slower rate.

D. All the above statements are correct

Answer: B



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4. Find out the incorrect statement:

A. The term biodiversity was first introduced by Edward Wilson.

B. The term biodiversity was first coined by Walten Rosen.

C. The term biodiversity was popularised by Edward Wilsom.

D. None of the above

Answer: A





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Other Important Questions Answers Answer The Following

1. Define biodiversity.



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2. What is genetic diversity?



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3. Name any two ecosystem services.



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4. What is the indicator of the health of an ecosystem?



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5. In South-East Asia, the dwindling of fruit bats is followed by reduction in local fruit

production. Why?



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6. Name any two animals found in Deccan peninsula.



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7. What are alien species?



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8. What is main effect of climate change?



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9. Name any two alien animal species introduced in India.



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10. What is an endangered species?



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11. Expand IUCN.



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12. Name any two national tiger reserves.



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13. What are sacred groves ?



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14. What are the advantages of gene banks?



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15. State the principle of Stockholm declaration - 1972.



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16. Give example of any three National park in Tamil Nadu.



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17. List out any three important roles of IUCN



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18. Explain Coextinction with an example.



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19. Explain the reason for the richness of biodiversity in the tropics?



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20. list out the Biogeographical regions of India with their fauna.



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21. Pollutants and pollution are a major cause for biodiversity loss - Justify



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22. Explain the species area relationship with the help of a diagram?



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