



BIOLOGY

BOOKS - ARIHANT PUBLICATION

BIODIVERSITY AND ITS CONSERVATION

**Part I Questions For Practice Very Short Answer
Type Question Choose The Correct Option**

1. Indian Giant squirrel is endemic to

A. Uttar Pradesh

B. West Bengal

C. Madhya Pradesh

D. Manipur

Answer: C



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2. Species richness in any habitat is related to



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3. Biodiversity is rich in tropics because of

- A. high humidity
- B. stable climate
- C. older community
- D. All of these

Answer: D



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4. The organisation which publishes the Red List of species is

A. WWF

B. ICFRE

C. IUCN

D. UNEP

Answer: C



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5. Red Data List was initiated in

A. 1859

B. 1964

C. 1985

D. 1977

Answer: A



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**Part I Questions For Practice Very Short Answer
Type Question Fill In The Blanks**

1. Diversity within a community is



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2., a struggling shrub form tropical America was introduced as ornamental plant in India has become invasive in the wild.



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3. A taxon facing high risk of extinction in the wild is



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Part I Questions For Practice Very Short Answer Type Question

1. Species diversity decreases as we move away from the equator towards the poles. What could be the possible reasons?



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2. Eichhornia called as 'Terror of Bengal' is a keystone species.



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3. Diversity among individuals of a species.



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4. The extinction of these species reduces abundance of other species in the community



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Part I Questions For Practice Short Answer Type Question

1. Write briefly about the three levels of biological diversity.



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2. State the importance of species diversity



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3. Species diversity decreases as we move away from the equator towards the poles. What could be the possible reasons?



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4. Give three hypothesis for explaining why tropics show greatest levels of species richness .



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5. How is biodiversity important for ecosystem functioning ?



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6. What is keystone species ?



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7. Discuss the causes of loss of biodiversity



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8. How does habitat fragmentation cause depletion of biodiversity ?



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9. Write an account of alien invasion and its effect on biodiversity.



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10. Briefly classify the extinction processes.



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11. Since the origin of life on earth, there were five episodes of mass extinction of species.

(i) How is the 'sixth extinction', presently in progress, different from the previous episodes ?

(ii) Who is mainly responsible for the 'sixth extinction'?

(iii) List any four points that can help to overcome this disaster.



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Part I Questions For Assessment Part I Concept Of Biodiversity Very Short Answer Type Questions

1. Diversity at the level of community and ecosystem is

A. α - diversity

B. β - diversity

C. γ - diversity

D. All of these

Answer: B



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2. Red Data Book is maintained by



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3. Which one is endangered species?

A. Asiatic lion

B. Sarrow

C. Elephant

D. Dodo

Answer: A



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Part I Questions For Assessment Part I Concept Of Biodiversity Fill In The Blanks

1. Beaver is a species



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Part I Questions For Assessment Part I Concept Of Biodiversity

1. The number of species per unit area is β -diversity.



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2. Diversity within a community is



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Part I Questions For Assessment Part I Concept Of Biodiversity Short Answer Type Questions

1. What do you mean by ecosystem goods?



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2. State the major factors that tend to decrease biodiversity.



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3. List the four importance of biodiversity?



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4. Is it necessary to conserve biodiversity?

Justify the statement.



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**Part II Questions For Practice Very Short Answer
Type Questions**

1. Which one of the following is not included under in-situ conservation ?

A. Wildlife sanctuary

B. Zoological garden

C. Biosphere reserve

D. National park

Answer: B



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2. Conservation and maintenance of wildlife within the natural ecosystem is

A. in situ conservation

B. ex situ conservation

C. botanical gardens

D. All of the above

Answer: A



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3. In a national park, protection is provided to

A. entire ecosystem

B. only fauna

C. only flora

D. Both (b) and (c)

Answer: A



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4. In which zone, limited human activity is permitted?

A. Core zone

B. Buffer zone

C. Manipulation zone

D. Restoration zone

Answer: B



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5. Ramsar converntion was held in

A. India

B. Iran

C. Indonesia

D. Isroel

Answer: B



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6. In India hotspots include Western Ghats and

..... .



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7. The Earth Summit was held in 1992.



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8. The outer part of biosphere reserve is called

..... .



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9. A wild life protection act was established in 2012.



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10. Zoo, botanical gardens, culture collections are types of ex situ biodiversity conservation.



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11. Exploitation of soil and flora is done in a wildlife sanctuary.



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12. Write importance of biosphere reserve.



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13. The scientist who developed the concept of hotspots of biodiversity?





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14. A protected area dedicated to animal life only.



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Part II Questions For Practice Short Answer Type Questions

1. How is biodiversity conserved ?



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2. What is In situ and Ex situ Conservation?



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3. There are many animals that have become extinct in the wild, but continue to be maintained in zoological parks.

(i) Which type of biodiversity conservation is observed in this case?

(ii) Name any other two ways, which help in this type of conservation?



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4. Which type of conservation measures, in situ or ex situ will help the large number species to survive? Explain.



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5. What do you mean by national park?



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6. What are hotspots of biodiversity?



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7. What is biosphere reserve? Mention its zones.



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8. Briefly discuss the zones of biosphere reserve.



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Part II Questions For Assessment Very Short Answer Type Questions

1. Bandipur national park is situated in

A. Kerala

B. Odisha

C. Karnataka

D. Rajasthan

Answer: C



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2. The objective of 'Ramsar convention' was

A. forest conservation

B. wildlife conservation

C. wetland conservation

D. biodiversity conservation

Answer: C



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3. Panna National park is located in



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4. Private ownership is not permitted in



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5. In situ conservation is the conservation of biological diversity outside the boundaries of their natural habitats.



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6. Write points on : Zoo



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Part Ii Questions For Assessment Short Answer Type Questions

1. What do you mean by conservation of biodiversity?



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2. Difference in Zoo and Wildlife Sanctuary



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3. What do you mean by wildlife sanctuary ?



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4. What are Biosphere reserves ?



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5. What are the features of a biosphere reserve ?



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Part Ii Questions For Assessment Differentiate Between The Following

1. Sanctuary reserve and Biosphere reserve .



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2. Differentiate between with 3 to 4 important points:

Beta diversity and Gamma diversity



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3. Species diversity and Ecological diversity .



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4. Alpha (α) diversity and beta (β) diversity.



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**Odisha Bureau S Textbook Questions Multiple
Choice Questions**

1. Genetic diversity refers to _____

- A. variation in the genetic material
- B. variation in the populations
- C. variation in the number of species
- D. variation in the animal distribution

Answer: A



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2. Species diversity means _____

- A. number of species
- B. relative abundance of species
- C. species composition
- D. genetic diversities

Answer: B



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3. The forest conservation Act was enacted in

A. 1972

B. 1952

C. 1980

D. 1991

Answer: C



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4. Conservation of wild animals and plants in sanctuaries and national park is ____.

- A. ex situ conservation
- B. in vivo conservation
- C. in vitro conservation
- D. in situ conservation

Answer: D



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5. Corbet National Park is situated in _____

- A. Uttarakhand
- B. Jharkhand
- C. Uttar Pradesh
- D. Himachal Pradesh

Answer: A



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6. Following mass extinctions , recovery to the same level of biodiversity has taken _____

A. hundreds of years

B. millions of years

C. thousand of years

D. billions of years

Answer: B



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Odisha Bureau S Textbook Questions Express In One Or Two Words

1. A species originated in one place and found no where else.



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2. Organism whose no living representative is seen.



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3. What is Biodiversity hotspot?



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4. What is conservation of biodiversity outside the natural habitat called as?



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5. Diversity of all life forms in the earth.



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Odisha Bureau S Textbook Questions Correct The Statement By Changing The Underlined Words S

1. Hybrid plants of a species are the source of disease resistant genes.

A. True

B. False

C.

D.

Answer:



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2. Bhitarkanika is a hotspot



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**3. Hotspots are characterised by low
endemism and habitat destruction.**

A. True

B. False

C.

D.

Answer:



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4. Botanical gardens are meant for in situ conservation of wildlife.



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5. WWF has enlisted endangered species in Red Data Book.



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Odisha Bureau S Textbook Questions Fill In The Blanks

1. The term 'biodiversity' was coined by



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2. The three levels of biodiversity are diversity, species diversity and diversity.



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3. There are number of megabiodiversity countries in the world.



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4. India had numbers of biodiversity hotspots.



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5. The wildlife Protection Act was enacted in

..... .



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6. The UN conference of human environment was held in in 1972.



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7. The expanded form of IUCN is



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8. The first National Park of India is :



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9. Odisha has numbers of national park.



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10. There are number of wildlife sanctuaries in Odisha.



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11. India has number of biosphere reserves.



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12. The concept of biosphere reserve made an beginning under..... programme instituted by a UN body, namely..... .



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Odisha Bureau S Textbook Questions Short Answer Type Questions

1. Ecological diversity



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2. Wildlife Protection Act(1972).



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3. In situ conservation.



Watch Video Solution

4. Ex situ conservation



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5. Biosphere reserve



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Odisha Bureau S Textbook Questions

Differentiate Between The Following

**1. Diatinguish between:In-situ conservation
and ex-situ conservation**



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2. Distinguish between: Genetic diversity and species diversity



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3. National park and Sanctuary.



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4. Extinct species and Endangered species.



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Odisha Bureau S Textbook Questions Long Answer Type Questions

1. What are the causes of loss of Biodiversity ?



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2. How is biodiversity conserved ?



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3. Give an account of biodiversity and its conservation measures.



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Chapter Practice Very Short Answer Type Questions

1. Bhitarkanika National Park in Odisha is situated in

A. Cuttack district

B. Jaipur

C. Kendrapada distirict

D. Puri district

Answer: C



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2. Asiatic lions are conserved in

A. Ranthambor

B. Sunderban

C. Periyar

D. Gir

Answer: B



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3. The management of all zoo's established in India is vested with

**A. State Forest and Environment
Department**

B. Central Zoo Authority

C. Union Forest and Environment
Department

D. National Zoo Association

Answer: B



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4. Which of the following is not observed in biodiversity hotspots?

A. Endemism

B. Accelerated species loss

C. Lesser interspecific competition

D. Species richness

Answer: C



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5. Which of the following is not an objective of conservation on biodiversity?

A. Sustainable use of biodiversity

B. Conservation of biodiversity

C. Selective hunting of dangerous and threatened species

D. Fair and equitable sharing of profits arising out of the genetic resources

Answer: C



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6. Forest Act was amended in 1972.



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7. 9 number of biosphere reserves are a part of MAB programme.



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8. Number of species per unit area is known as

..... .



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9. The UN conference on human environment was held in 1972 has participating nations.



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10. strategy is the conservation of selected endangered plants and animals species.





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11. is the innermost and legally protected zone of biosphere reserve where human activity is not permitted.



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12. The biosphere reserve in Mayurbhanj district of odisha.



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13. The year in which ex situ conservation strategy was incorporated by CBD was



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Chapter Practice Short Answer Type I Questions

1. What are the causes of loss of Biodiversity ?



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2. Explain, how overexploitation of resources causes loss of biodiversity?



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3. How is ecotourism related to biodiversity?



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4. How is global warming causing loss of biodiversity?



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5. What are the medicinal values of biodiversity?



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6. How is biodiversity important for ecosystem functioning ?



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Chapter Practice Short Answer Type II Questions

1. Genetic diversity and Ecological diversity



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2. Buffer zone and Transition zone



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