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BIOLOGY

BOOKS - OSWAAL BIOLOGY (KANNADA ENGLISH)

BIODIVERSITY AND CONSERVATION

Topic 1 Biodiversity And Its Patterns Biodiversity And Its Patterns Very Short Answer Type Questions

1. What are biodiveristy hotspots ?

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Topic 1 Biodiversity And Its Patterns Very Short Answer Type Questions

1. Define genetic diversity .

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2. Why is genetic variation important in the plant Rauwolfia vomitoria ?

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3. Define biodiversity .

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4. When did the first life come into existence ?

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5. Who coined the term biodiversity ?

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6. Who developed the concept of biodiversity ?

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7. Name the different levels of biodiversity .

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8. Whai is species diversity ?

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9. Define species.

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10. Define habitat diversity .

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11. Expand SAR in SAR curve.

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12. Which of the Indian region is considered as cradle of speciation ?

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13. Mention a biodiversity hot-spot in India.

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14. What is latitudinal gradient ?

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15. Why do tropics contains rich species diversity than temperature region ?

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16. What is biodiveristy of depletion ?

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17. What do you mean by co - extinction ?

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18. Write an example for alien species .

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Topic 1 Biodiversity And Its Patterns Short Answer Type Questions I

1. "Alien species are higly invasive and are threat to local species . " Substantie this with two example .

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2. "India is rich in genetic diversity". Justify this statement by giving two examples.

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3. Write a note on co-extinction.

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4. Introduction of some alien species causes biodiversity loss. Justify the statement with an example .

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5. Distinguish between endemic species and threatened species .

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6. What is biodiversity ? Mention any two type of diodiversity .

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7. Mention any two benefits of biodiversity .

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8. What is the importance of species diversity to the ecosystem ?

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9. Mention 'The Evil Quartet' of biodiversity loss

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10. Despite having the great biodiversity why Amazon rain forest in under the risk of desertification.

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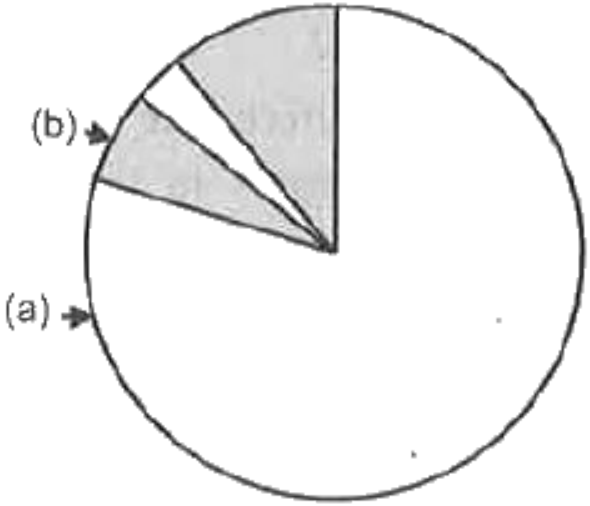
11. Name the unlabeled areas 'a' and 'b' of the pie chart (given above) representing the global biodiversity of invertebrates showing their proportionate number of species of

major taxa.



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12. How is the presently occuring species extinction different from the earlier mass extinctions ?

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13. Discuus one example , based on your day-to-day observation , showing how loss of one species may lead to extinction of another .

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Topic 1 Biodiversity And Its Patterns Short Answer Type Questions Ii

1. Describle rivet popper hypothesis.

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2. (a) What is endemism?

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3. (b) Mention 'The Evil Quartet' of biodiversity loss.

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4. What is biodiversity depletion ? Explain the impact of deforestation and loss of soil fertility on biodiversity .

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5. Explain any three major causes of biodiversity loss .

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6. What is biodiversity ? Explain the ecological benefits of biodiversity ?

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7. What is biodiversity depletion ? Explain any four anthropocentic causes of biodiverstiy depletion .

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8. How is biodiversity improtant for ecosystem functioning ?

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9. Elaborate how invasion by an alien species reduces the species diversity of an area.

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10. How can you , as an individual , prevent the loss of the biodiversity ?

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11. Amazon rain forest has the greatest biodiversity on earth. List any two hypothese that are proposed by the biologists to account for the greater biological diversity .

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Topic 1 Biodiversity And Its Patterns Long Answer Type Questions

1. Write any four anthropocentric causes for biodiversity depletion ?

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2. What is sacred species ?

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Topic 2 Biodiversity Conservation Biodiversity Conservation Very Short Answer Type Questions

1. How cryopreservation helps in the conservation of biodiversity?

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Topic 2 Biodiversity Conservation Very Short Answer Type Questions

1. Why Western Ghats are considered as one of the biodiversity hotspots?

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2. How is the scared grove important in conservation of biodiversity ?

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3. What are threatened species ?

Watch Video Solution

4. What are endemic species?

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5. What is the difference between endemic and exotic species ?

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6. What is Red Data Book ?

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7. What are invasive species ?

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8. What are key stone species ?

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9. Expand RDB.

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10. Answer in brief: Why should we conserve biodiversity?

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11. What is mass extinction ?

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12. What are vulnerable species ?

13. What are rare species ?

14. What are endangered species or E species?

15. What are critically endangered or CE species?

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16. Expand IUCN.

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17. What is Ex-Situ conservation ? Mention two examples.

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18. Name any two in - situ conservation methods .

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19. What is exsitu conservation of biodiversity?

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20. What is cryopreservation ?

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Topic 2 Biodiversity Conservation Short Answer Type Questions I

1. What are sacred groves and sacred species ?

Give one example each.

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Topic 2 Biodiversity Conservation Short Answer Type Questions Ii

1. Differentiate between in - situ and ex-situ approaches of conserving biodiversity.

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2. Explain narrow utilitarain arguments for conserving biodiversity .

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3. Explain broad utilitarian arguments for conserving biodiversity .

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Topic 2 Biodiversity Conservation Long Answer Type Questions

1. Biodiversity must be conserved as it plays an important role in many ecosystem services

that nature provides. Explain any two services that nature provides .

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2. Explain ex-situ and in-situ conservation of biodiversity with example .

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3. Describe the reason to conserve biodiversity .

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Topic 2 Biodiversity Conservation Multiple Choice Questions

1. Which of the following countries has the highest biodiversity ?

A. Brazil

B. South Africa

C. Russia

D. India

Answer: C

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2. Which of the following is not a cause for loss of biodiversity ?

A. Destruction of habitat

B. Invasion by alien species .

C. Keeping animals in zoological parks

D. Over - exploitation of natural resources.

Answer: C

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3. Which of the following is not an invasive alien speices in the Indian context ?

A. Lantana

B. Cynodon

C. Parthenium

D. Eichhornia

Answer: B

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4. Where among the following will you find pitcher plants ?

A. Rain forest of Norht - East India

B. Sunderbans

C. Thar Desert

D. Western Ghats

Answer: B

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5. Which one of the following is not a major characteristic feature of biodiversity hot spots ?

A. Large number of species .

B. Abundance of endemic species

C. Large number of exotic species

D. Destruction of habitat.

Answer: A

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6. Match the animals given in column A with their location in column B :

Column A	Column B
(i) Dodo	(a) Africa
(ii) Quagga	(b) Russia
(iii) Thylacine	(c) Mauritius
(iv) Stellar's sea cow	(d) Australia

Choose the correct match from the following :

A. i-a,ii-c,iii-b,iv-d

B. i-d,ii-c,iii-a,iv-b

C. i-c,ii-a,iii-b,iv-d

D. i-c,ii-a,iii-d, iv- b

Answer: B

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7. What is common to the following plants : Nepenthes, Psilotum , Rauwolfia and Aconitum ?

A. All are ornamental plants .

B. All are phylogenci link species .

C. All are prone to over exploitation .

D. All are exclusively present in the Eastern Himalayas.

Answer: C

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8. The one - horned rhinoceros is specific to which of the following sanctuary ?

A. Bhitar kanika

B. Bandipur

C. Kaziranga

D. Corbett park

Answer: B

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9. Among the animal group is given below , which one has the highest percentage of endangered species ?

A. Insects

B. Mammals

C. Amphibians

D. Reptiles

Answer: C

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10. Which one of the following is an endangered plant species of India ?

A. Rauwolfia serpentina

B. Santalum album (Sandal wood)

C. Cycas beddonei

D. All of the

Answer: B

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11. What is common to Lantana, Eichhornia and African catfish ?

A. All are endangered spcecies of India

B. All are key stone species

C. All are mammals found in India

D. All the species are neither threatened nor indigenous species of India.

Answer: D

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12. The extinction of passenger pigeon was due to :

A. Increased number of predatory birds

B. Over exploitation by humans.

C. Non - availability of the food

D. Bird flu virus infection.

Answer: B

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13. Which of the following statements is correct ?

A. Parthenium is an endemic species of our country

B. African catfish is not a threat to indigenous catfishes.

C. Steller's sea cow is an extinct animals

D. Lantana is popularly know as carrot grass.

Answer: C

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14. Among the ecosytem mentioned below , where can one find maximum biodiversity ?

A. Mangroves

B. Desert

C. Coral reefs

D. Alpine meadows

Answer: C

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15. Which of the following forests is know as the lungs of the planet Earth ?

A. Tiaga forest

B. Tundra forest

C. Amazon rain forest

D. Rain forests of North East India.

Answer: D

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16. The active chemical drug reserpine is obtained form :

A. Datura

B. Rauwolfia

C. Atropa

D. Papaver

Answer: C

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17. Which of the following group of plants exhibits more species diversity ?

A. Angiospems

B. Algae

C. Bryophytes

D. Fungi

Answer: A

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18. Which of the below mentined regions exhibit less seasonal variations ?

A. Tropics

B. Temperate

C. Alpines

D. Both (a) & (b)

Answer: B

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19. The historic convention on Biological Diversity held in Rio de Janeiro in 1992 is known as :

A. CITES Convention

B. The Earth Summit

C. G - 16 Summit

D. MAB Programme

Answer: C

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20. What is common to the techniques (i) In vitro fertilisation , (ii) Cryopreservation and (iii) Tissue culture ?

A. All are in situ conservation methods

B. All are ex situ conservation methods

C. All require ultra - modern equipment and large space

D. All are methods of conservation of extinct organisms.

Answer: A

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