



## BIOLOGY

### BOOKS - CHETANA PUBLICATION

# Biodiversity, Conservation and Environmental Issues

#### Example

1. Importance of chipko movement and efforts of Shri Jadhve Payeng.



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2. Why should we have national parks and sanctuaries?



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3. We have read about how Indian scientist won the battle for patent of Turmeric and Basmati rice. Why was opposing these patents essential?





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4. What is in-situ and ex-situ conservation?



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5. Define Biodiversity and Secondary consumers



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**6. What is biodiversity?**



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**7. Who coined the term biodiversity, and popularized the term?**



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**8. Answer the following question in detail:**

**Explain the three different levels of**

biodiversity.



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**9. Write notes on: Genetic diversity.**



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**10. Write notes on: Species diversity.**



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**11.** Write notes on: Ecological diversity.



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**12.** How does genetic diversity affect subtenance of a species?



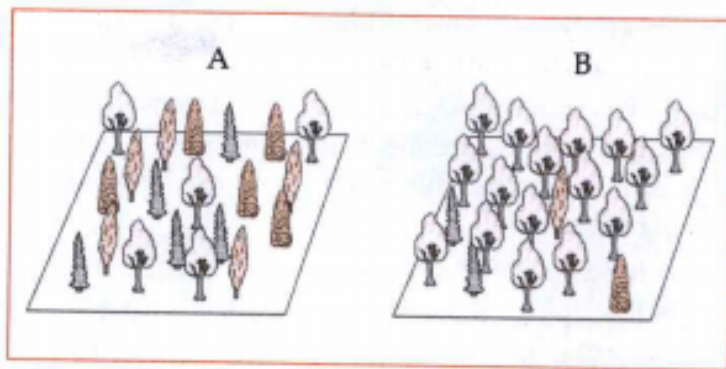
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**13.** How is biodiversity important for ecosystem?



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14. What can you say about species diversity A & B?



**Ans.** Species diversity is more in A than in B.



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**15.** What are the latitude and longitudes?

Which of these imaginary lines are more significant with reference to diversification of living beings? Why?



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**16.** Give the meaning of: Latitudinal gradient.



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**17.** Give the meaning of: Altitudinal gradients.



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**18.** Describe the relation between species richness and Von area.



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**19.** Describe the species area to relation.



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**20.** How species diversity is important in the ecosystems?



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**21.** Explain the significance of diversity with the help of Rivet Popper hypothesis?



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**22.** What is biodiversity? Explain genetic diversity with suitable example.



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**23.** Species richness goes on decreasing as we moves from equator to pole . Explain|.



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**24.** Tropical regions exhibits species richness as compared to polar regions. Justify?



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**25.** State the current scenario of Biodiversity.



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**26.** What is the main aspect of loss of biodiversity?



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**27.** List the types of extinction.



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**28.** Enlist the evil quartet of loss of biodiversity.



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**29.** Write a short on: Habitat loss and fragmentation.



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**30.** Write a short on: Over-exploitation



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**31.** Write a short on: Alien species invasion



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**32. Write a short on: Co-extinction**



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**33. What do you understand by EW category of living being?**



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**34.** State and explain the different categories of species.



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**35.** Explain, how loss of species diversity can harm ecosystem?



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**36.** Give various categories of endangered species explained by IUCN.



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**37.** What do understand by invasive species?  
How does it affects local population.



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**38.** Write the detailed information about conservation of biodiversity.



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**39.** Answer the following questions:

Why is it said that it is our duty to conserve diversity of living organisms?



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**40.** How Indian culture and traditions helped in biodiversity conservation?



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**41.** Give in brief the concept of in-situ conservation.



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**42.** What do you understand from terms like in-situ and ex-situ conservation.



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**43.** Describe the biodiversity hotspots in Maharashtra.



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**44.** Justify the following statement: 'The conservation of endangered species of plants and animals is necessary'.



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**45.** What are sacred groves?



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**46.** Name any two modern methods of ex-situ conservation.



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**47.** Differentiate between in-situ and ex-situ?



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**48.** Write note on BD Act 2002



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**49.** Explain the way of working of biological Act.



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**50.** What is pollution? Enlist its types.



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**51.** Define pollutant. How our daily activities are responsible for pollution.



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**52.** What are the effects of air pollution?



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**53.** Describe the various types of air pollutants.



**Watch Video Solution**



**54.** Give one example of natural pollutant.



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**55.** How does CO cause giddiness and exhaustion?



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**56.** Name two types of particulate pollutants found in air. Add a note on ill effects of the same on human health.



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**57.** Give the effect of air pollution on human health.



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**58.** Write a note on control measures of air pollutions?



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**59.** How BS emission standards changed over time? Why is it essential?



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**60.** Dnadiya raas is not allowed after 10.00 pm.

Why?



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**61.** Describe any two particulate and gaseous pollutants.



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**62.** Explain various technologies used for removing particulate matter from different sources of air pollution.



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**63.** What are the ill effects of noise pollution on human health?



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**64.** Give any norms for reducing sulphur and aromatic contents of petrol and diesel.



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**65.** Define water pollution. Describe the sources of water pollution?



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**66.** Industries are pouting poisons into water.

Explain.



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**67.** What is algal bloom?



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**68.** What is Cultural or Accelerated Eutrophication?



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**69.** Define Biomagnification.



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**70.** Define water pollution.



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**71.** When we call a water body is polluted?





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**72.** Where does domestic waste water go in urban and rural areas?



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**73.** What is the importance of sewage treatment plant?



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**74.** Explain BOD and its significance in aquatic ecosystem.



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**75.** Ecological sanitation is the need of the day justify.



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**76.** Explain the phenomenon of biological magnification.



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**77.** Why is it asked to segregate wet and dry waste in each home ?



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**78.** What are the six R's to combat solid waste?



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**79.** How citizens should sent out solid waste?



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**80.** What is the necessity of solid waste management?



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**81.** What is greenhouse effect?



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**82.** Enlist green house gases.



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**83.** How do you corelate greenhouse effect and global warming?



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**84.** Green house effect is boon or bane? Give your opinion.



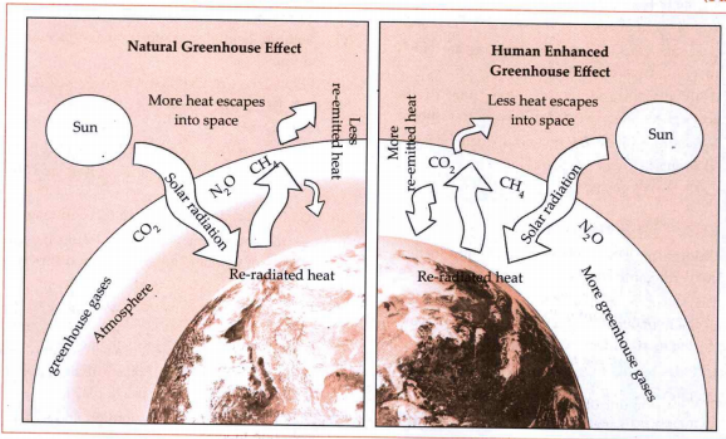
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**85.** What is Echelon effect?



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86. Give the mechanism of greenhouse effect.



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87. How to control global warming?





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**88.** Where was ozone hole discovered?



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**89.** Write a note on ozone depletion.



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**90.** Montreal protocol is an essential step. Why is it so?



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**91.** How pollution by domestic garbage can be controlled?



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**92.** Give effect of CFC on ozone shield.



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**93.** Give an account of possible effects of global warming.



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**94.** Platic ban in Maharashtra is an essential step. Give reason.



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**95.** Give reasons for deforestation.



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**96.** Write the major effects of deforestation.



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**97.** How Jhum cultivation has led to deforestation in recent years?



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**98.** Comment of deforestation status of the world and its major effects.



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**99.** Name any 2 personalities who have contributed to control deforestation in our country. Elaborate on importance of their work.



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**100.** Write short note on

Chipko Movement of Bishnoi



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**101.** Give two examples of biodegradable material released from sugar industry.



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**102.** During large public gatherings like Pandharpur vari mobile toilets are deployed by the government. Explain how this organic waste is disposed.



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**103.** Name any two modern techniques of protection of endangered species?



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1. Identify True or False in the following statements.

A. (1) More than 500 genetically different varieties of mango occur in India.

B. (2) We could lose all wealth of biodiversity in less than two decades if the present rate of species losses continue.

C.(3) In India, ecologically unique and biodiversity rich regions are legally protected as sanctuaries, national parks and biosphere reserves

D.(4) A scrubber can remove gaseous pollutants like Sulphur dioxide

**Answer:**



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2. Main Greenhouse gas is \_\_\_\_\_

A. Ozone

B. Oxygen

C. Helium

D.  $CO_2$

**Answer:**



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3. The forest cover the area in India is presently \_\_\_\_\_% only.

A. 2

B. 25

C. 19

D. 65

**Answer:**



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4. Chipko Andolan movement is to protect the

-----

A. Flora

B. Fauna

C. Trees

D. Rivers

**Answer:**



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5. Red Data Book is maintained by \_\_\_\_\_

A. WWF

B. WHO

C. IUCN

D. UN

**Answer:**



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6. In which device is a fine spray of water used for separation of ammonia and  $SO_2$ ?

A. Scrubber

B. Diesel engine

C. Smokers

D. Electrostatic precipitator

**Answer:**



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7. Major cause of air pollution in a city is

-----

A. Heating plants

B. automobiles

C. domestic exhaust

D. Industrial processors

**Answer:**



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8. In-situ conversation includes hot-spot methods which protect, pressure, and restore\_\_\_\_\_

A. Rare

B. Indetermainate

C. Vulnerable

D. Endangered

**Answer:**



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9. How many hot spots are identified globally\_\_\_\_\_

A. 20

B. 2

C. 36

D. 50

**Answer:**



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10. In Maharashtra, there are \_\_\_\_\_ National Parks and \_\_\_\_\_ wild life sanctuaries

A. 80,441

B. 16,17

C. 20,111

D. 5,11

**Answer:**



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11. In which device is a fine spray of water used for separation of ammonia and  $SO_2$ ?

A. Scrubber

B. smokers

C. reverse osmosis

D. electrostatic precipitator

**Answer:**



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12. Name any two modern methods of ex-situ conservation.

A. vulnerable

B. rare

C. endangered

D. indeterminate

**Answer:**



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13. There are \_\_\_\_\_ national parks in India

A. 104

B. 50

C. 154

D. 556

**Answer:**



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14. Which type of struggle is the most fierced one?

A. Inter-specific

B. intra-specific

C. inter-generic

D. intra-generic

**Answer:**



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**15.** Define Red Data Book.



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**16.** What is the unit of measuring the Noise?



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**17.** True or false. Motor vehicles are equipped with electrostatic precipitators to reduce pollution.



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**18.** There is an ozone hole in the Ozone layer.

What do you understand by this?



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**19.** Write the major effects of deforestation.



**Watch Video Solution**

**20.** Write a note on control measures of air pollutions?



**Watch Video Solution**

**21.** What is in-situ and ex-situ conservation?



**Watch Video Solution**

**22.** Write a note on greenhouse effect.



**Watch Video Solution**



23. "The  $CO_2$  has crucial role in global warming". Explain.



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24. Write are the causes of extinction of wild life?



[Watch Video Solution](#)

**25.** Write a note on control measures of air pollutions?



**Watch Video Solution**

**26.** Industries are pouting poisons into water. Explain.



**Watch Video Solution**

**27.** How BS emission standards changed over time? Why is it essential?



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