



BIOLOGY

BOOKS - OSWAAL BIOLOGY (KANNADA ENGLISH)

SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES

Topic 1 Natural Resources Sustainable Development And Biodiversity Multiple Choice Questions

1. The concept of sustainable development encourages :

- A. form of growth that meet current basic needs
- B. preservation of the resources of the need of future generation
- C. a change in all respects of life
- D. growth to meet current needs, preservation for the needs of future and change in all respects of life.

Answer: D



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2. When we consider the conservation of forests, we need to look at:

- A. people who are humanists and conscious about human rights
- B. industrialists who use the various forest
- C. the people who live in or around forests
- D. the forest department of the Government, the industrialists and the people who live in or around forests.

Answer: D



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1. Match the Column

- | | |
|----------------------------------|--|
| 1. Green house gas | (a) Revised the degraded Sal forests |
| 2. Natural Andolan | (b) SO_2 |
| 3. Chipko Andolan | (c) Prevented felling of trees in Garwal |
| 4. West Bengal forest department | (d) Forest wild life |

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Topic 1 Natural Resources Sustainable Development And Biodiversity Very Short Answer Type Questions

1. What are the two kinds of natural resources ?

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2. Name any two forest products, each of which is the basis for some industry.

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3. Name the tree for which Amrita Devi Bishnoi and others sacrificed their lives.



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4. State the places that are referred as 'biodiversity hotspots'.



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5. Name the dam on the river Narmada, whose height Government wanted to raise ?



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6. Give one example each from your daily life where the domestic waste can be effectively reused and recycled.



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7. State an instance where human intervention saved the forests from destruction.

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8. List two items which can be easily recycled, but we generally throw them in the dustbins.

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9. Write one negative effect of affluent lifestyle of few persons on the environment.

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10. How is solar energy useful to the living world ?

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11. State one reason for the conservation of forest and wildlife.



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12. How does increasing demand for energy adversely affect our environment ?



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13. What does presence of coliform in water indicate ?



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14. Name the group of bacteria that confirms the contamination of water.



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15. "We need to unmanage our resources". List two reasons to justify this statement.

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Topic 1 Natural Resources Sustainable Development And Biodiversity Short Answer Type Questions I

1. What is sustainable development ? State its two main objectives.

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2. What is meant by "Sustainable management" ? Why is reuse considered better than recycling ?

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3. List two advantages of conserving forests and wildlife.



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4. What is meant by three types of 'R' (3-R's) to save the environment ?

Explain with example how would you follow the 3-R's in your school to save the environment.



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5. Why is sustainable management of natural resources necessary ? Out

of the two methods reuse and recycle which one would you suggest to practice and why ?



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6. Write two advantages of sustainable management of natural resources.

Cut of the two-reuse and recycle-which is better and why ?



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7. (i) What is Chipko movement ?

(ii) Why should we conserve forests ?



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8. Why do we need alternative sources of energy ? Give two reasons.



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9. What is the role of wildlife and nature enthusiasts as stakeholders with reference to forests ?



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10. List four stakeholders of forests.



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11. List four stakeholders which may be helpful in the conservation of forests.

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12. Which natural resource are the 'biodiversity hot spots' ? Suggest what happens when there is a loss of biodiversity ?

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13. How did 'Chipko Andolan' ultimately benefit the local people ? Explain briefly.

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14. Forests are "biodiversity hot spots." Justify this statement.

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15. Why are forests considered "biodiversity hot spots"? List two ways in which an individual can contribute effectively to the management of forests and wildlife ?



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16. What damage is caused to forests by the following:

- (i) Building rest houses for tourist in national parks.
- (ii) Grazing domestic animals in national parks.



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17. List four measures that can be taken to conserve forests.



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18. Everyone of us can do something to reduce our personal consumption of various natural resources. List four such activities based on 3-R approach.



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19. Explain giving example where active involvement of local people lead to efficient management of forest.



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20. "Reuse is better than recycling of materials". Give reason to justify this statement.



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21. Mention the steps taken by the West Bengal Government to protect the badly degraded sal forests.

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22. List four disadvantages of burning fossil fuels.

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23. (i) Why do we need to manage our resources carefully ?

(ii) Why management of natural resources requires a long term perspective ?

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24. List four causes of damage to forests.

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25. "Industrialisation has adversely deteriorated the environment." Give four reasons in support of this statement.

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26. List two problems that may arise by planting trees of single variety over vast tracts of a forest.

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27. Why do we need to use our resources carefully ?

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1. Why must we conserve our forests? List any two causes for deforestation to take place.

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2. How does recycling of waste materials help in ecological balance ?

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3. What changes can you make in your habits to become more environment friendly

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4. Suggest three ways to maintain a balance between environment and development to survive.

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Topic 1 Natural Resources Sustainable Development And Biodiversity Long Answer Type Questions II

1. Write any four ways in which the locals and tribal are dependent on the forest ?

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2. (i) Why is reusing even better than recycling ? List any two reasons.
(ii) Give any three examples of human activities leading to destruction of forests.

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3. (i) By 1983, what was the value of the previously worthless sal forests in the Arabari forest range of Midnapore district ?

(ii) Name the way to capture the rain water when it rains, store that water

above ground or charge the underground and use it latter.

(iii) Write any two negative effects caused by deforestation.



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Topic 2 Water Conservation And Fossil Fuels Multiple Choice Questions

1. Use of detergents is hazardous to the aquatic life because, they

- A. reduce the amount of dissolved oxygen content in water
- B. increase the temperature of water body
- C. are made from vegetable oils
- D. contain heavy metals.

Answer: a



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2. The multi-crore project about the Gange Action plan came in :

A. 1905

B. 1955

C. 1985

D. 1995

Answer: c



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Topic 2 Water Conservation And Fossil Fuels Match The Column

1. Match the Column

- | | |
|----------------|-----------------------|
| 1. Coliform | (a) Aharas |
| 2. Maharashtra | (b) Khadins |
| 3. Rajasthan | (c) Group of bacteria |
| 4. Bihar | (d) Bandharas |



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Topic 2 Water Conservation And Fossil Fuels Very Short Answer Type Questions

1. Define non-renewable sources of energy.

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2. What is Coliform?

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3. How does mining cause environmental pollution ?

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4. Name two indigenous water saving methods.

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5. Water is a valuable resource. List two ways, that you would suggest every family member to save this resource.



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6. List two measures that you would suggest for the better management of water resources.



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7. List two causes of pollution of river Ganga.



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8. Mention one reason of discontentment among the people who have been displaced by building dams.



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9. List two measures that you would suggest for the better management of water resources.



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10. State two changes that you can make in your habits to reduce the consumption of electricity or water.



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11. What measures would you take to conserve electricity in your house?



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12. List any two traditional system of water harvesting



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13. Give two uses of coal.



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Topic 2 Water Conservation And Fossil Fuels Short Answer Type Questions I

1. What is water harvesting ? How can this technique help in the conservation of water ?



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2. What is watershed management system ? List two benefits derived by the communities that participate in this system.



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3. List four advantages of properly managed watershed management.

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4. State the main purpose of water harvesting system and also mention the source which fills the pond behind harvesting structures.

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5. List and explain any two advantages associated with water harvesting at community level.

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6. List two advantages associated with harvesting at the community level.

"Management of natural resources requires a long- term perspective."

Comment on the statement.

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7. List four advantages of water stored in the ground.

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8. List four advantages of water stored in the ground.

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9. "Affluent life style has a negative effect on the environment". Justify this statement with the help of an example.

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10. Why do we seek construction of dams ? Mention any two problems faced with the construction of large dams ?

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11. The construction of large dams leads to social and environment problems. List two problems of each category.

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12. Building of big dams gives rise to some problems. List three main problems that may arise. Suggest a solution to any one of these problems.

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13. "Narmada Bachao Andolan" raised issues of how construction of big dams creates environmental problems. Mention such issues.

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14. List three problems which arise due to construction of big dams.
Suggest a solution of these problems.

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15. "Burning fossil fuels is a cause of global warming."

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16. Burning of fossil fuel is causing great environmental concern. Mention the consequences of combustion of fossil fuels.

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1. (i) Name any two fossil fuels. Why are they so-called ?

(ii) Mention the role of forests in conserving the environment. How do the forest get depleted ?



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2. (i) Name four main components of coal and petroleum.

(ii) List the benefits which Chipko movement brought to local population.



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3. Name any two ancient water harvesting structures for each of the following states :

(i) Rajasthan,

(ii) Maharashtra,

(iii) Bihar



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4. Write the advantages of watershed management.



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5. (i) Although coal and petroleum are produced by degradation of biomass, yet we need to conserve them. Why?

(ii) List any two causes for the failure of sustained availability of ground water.



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Topic 2 Water Conservation And Fossil Fuels Long Answer Type Questions

1. Define the following terms :

(i) Coliform,

(ii) Sustainable development,

(iii) Chipko Andolan,

(iv) Watershed management.



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2. (i) What are fossil fuels ? Give two examples.

(ii) Diagrammatically represent the Khadin System of Water harvesting.



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3. Eco-club of your school is organising a debate on the topic 'Nature's Fury Unleashed by Human's Greed (Uttarakhand Disaster).

List any four arguments that you will use convince the audience that humans are responsible for this disaster.



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1. What changes can you make in your habits to become more environment friendly

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2. What would be the advantages of exploiting resources with short-term aims?

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3. What would these advantages differ from the advantages of using a long-term perspective in managing our resources ?

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4. Why do you think there should be equitable distribution of resources? What force would be working against an equitable distribution of

resources?



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5. Why should we conserve forest and wildlife ?



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6. Suggest some approaches towards the conservation of forest.



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7. Find out the traditional system of water harvesting/management in your region.



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8. Compare the above system with the probable system in hilly/mountains areas or plains or plateau regions.

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9. Find out the source of water in your region/locality. Is water from this source available to all people living in that area ?

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Ncert Corners Textbook Exercises

1. What changes would you suggest in your home in environment-friendly ?

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2. Can you suggest some changes in your school which would make it environment friendly

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3. We saw in this chapter that there are four main stakeholders when it comes to forests and wildlife, which among these should have the authority to decide the management of forest produce? Why do you think so?

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4. How can you as an individual contribute or make a different to the management of a) Forests and wildlife b) Water resources and c) Coal and petroleum

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5. What can you as an individual do to reduce your consumption of the various natural resources ?



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6. List five things you have done over the last one week to

(a) conserve our natural resources.

(b) increase the pressure on our natural resources.



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7. On the basis of the issues raised in this chapter, what changes would you incorporate in your life-style in a move towards a sustainable use of our resources?



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