



# **BIOLOGY**

## **BOOKS - OSWAAL BIOLOGY (KANNADA ENGLISH)**

### **ENVIRONMENTAL ISSUES**

#### **Topic 1 Very Short Answer Type Questions**

**1. Name the city where whole public transport system (buses) runs on CNG.**



[Watch Video Solution](#)

2. What is the raw material for polyblend ?



[Watch Video Solution](#)

3. Name an industry which can cause both air and thermal pollution and as well as eutrophication .



[Watch Video Solution](#)

4. What is cultural eutrophication ?



[Watch Video Solution](#)

5. It is common practice to undertake desilting of the overhead water tanks. What is the possible source of silt that gets deposited in the water tanks ?



[Watch Video Solution](#)

6. In which year was the Air (Prevention and control of pollution ) Act amended to include noise as air pollution.



[Watch Video Solution](#)

7. Define pollution.



[Watch Video Solution](#)

8. What are pollutants?



[Watch Video Solution](#)

9. What are biodegradable pollutants?



[Watch Video Solution](#)

10. Give an example of a nonbiodegradable pollutant.



[Watch Video Solution](#)

**11. What is CNG?**



**Watch Video Solution**

**12. What type of pollution is controlled by use of CNG?**



**Watch Video Solution**

**13. What is BOD?**



**Watch Video Solution**

**14.** Name the most widely used method of removing particulate matter .



**Watch Video Solution**

**15.** Name the world's most problematic aquatic weed.What is the natural of the water body in which the weeds grow abundantly?



**Watch Video Solution**

**16.** What are the different types of pollution ?



**Watch Video Solution**

**17.** How can sulphur dioxide pollution of air be checked ?



**Watch Video Solution**

**18.** Give the source of pathogens into water .



**Watch Video Solution**



**19.** Name the types of pollutants according to their natural disposal .



**Watch Video Solution**

**20.** What is eutrophication ?



**Watch Video Solution**

**21.** What is nuclear fallout ?





[Watch Video Solution](#)

**22.** What is a greater air pollutant , man or nature ?



[Watch Video Solution](#)

**23.** Can useful material cause pollution ? Cite tow examples.



[Watch Video Solution](#)

**24.** Does nature produce pollutions ? Cite two example .



**Watch Video Solution**

**25.** Name three non - degradable pollutants .



**Watch Video Solution**

**26.** How much pollution of air is due to human activites ?



**Watch Video Solution**

**27. Define noise .**



**Watch Video Solution**

**28. What do you mean by e - waste ?**



**Watch Video Solution**

**29. How do algal blooms affect the life in water bodies ?**



**Watch Video Solution**

**30.** Name one device for controlling air pollution .



**Watch Video Solution**

**31.** What is ecosan ?



**Watch Video Solution**

**32. What is a solid waste ?**



**Watch Video Solution**

## **Topic 1 Short Answer Type Questions I**

**1. What is biomagnification? Give an example for it.**



**Watch Video Solution**

2. What is hybrid vehicle technology ? Explain the advantages with a suitable example ?



**Watch Video Solution**

3. Is it true that if the dissolved oxygen level drops to zero the water will become septic ? Give an example which could lower the dissolved oxygen content of an aquatic body.



**Watch Video Solution**

4. What are the various constituents of domestic sewage ? Discuss the effects of sewage discharge on a river .



[Watch Video Solution](#)

5. What do you understand by algal bloom ?



[Watch Video Solution](#)

6. Define biomagnification.







[Watch Video Solution](#)

7. How do catalytic converters work ?



[Watch Video Solution](#)

8. What are Euro II norms ?



[Watch Video Solution](#)

9. How does a scrubber function ?





[Watch Video Solution](#)

**10.** What is integrated organic farmings ?



[Watch Video Solution](#)

**11.** Suggest any four control measure of noise pollution .



[Watch Video Solution](#)

**12.** What are the effects of waste water of thermal power plants if disposed directly into water bodies ?



**Watch Video Solution**

**13.** What is eutrophication ? Explain its consequence on the life of plants and animals in such water bodies .



**Watch Video Solution**

**14.** Thermal power plants are inevitable in an industrial and densely populated country like ours . What harm do they do the environment ? Also mention any precaution that could be taken to save our environment .



**Watch Video Solution**

**15.** A crane had DDT level as 55mg in its body . What would be happen to the population of such birds ?



**Watch Video Solution**

**16.** How did pollution of environment start ?



**Watch Video Solution**

**17.** Differentiate between contamination and pollution.



**Watch Video Solution**

**18.** Name a few pollutants added to air by nature.



**Watch Video Solution**

**19.** What is the major air pollutant ? Give its source.



**Watch Video Solution**

20. What are radiocative elements ? Cite a few exmple .



**Watch Video Solution**

21. How do radiations affects the cells ?



**Watch Video Solution**

22. How does nature depollutes the air ?



**Watch Video Solution**

**23.** What is nuclear fall out ? How does it reach living organisms ?



**Watch Video Solution**

**24.** Which plants can absorb heavy metals ?  
How is this useful ?



**Watch Video Solution**



**25.** Give advantages of CNG over petrol or diesel .



**Watch Video Solution**

**26.** Why are nuclear power plants considered as a threat to ecological security ?



**Watch Video Solution**

**27.** Why is the load of biodegradable material dangerous to the water bodies ?



**Watch Video Solution**

**28.** Briefly explain Biological Oxygen Demand in water .



**Watch Video Solution**

**29.** Why the waste is considered as hazardous and the major environmental issue ?



**Watch Video Solution**

**30.** Why are industrial effluents more difficult to manage than municipal sewage ? Name a disease that is caused by heavy metal contamination .



**Watch Video Solution**

**31.** How can pollution by domestic sewage be controlled ?



**Watch Video Solution**

**32.** How can water pollution be controlled ?



**Watch Video Solution**

**Topic 1 Short Answer Type Questions li**

1. Write a note on electronic waste , List the various source of e - waste and the problems associated with its disposal.



[Watch Video Solution](#)

2. (a) On seeing bad state of roads in your locality , as a students , you have recommended to the Municipal Corpotaion to use polyblend.

What is polyblend ? Point out its raw material .

(b) What are e - wastes ? Explain the method of their disposal .



[Watch Video Solution](#)

**3.** Mention the major cause of air pollution in metro cities. Write any three ways by which it can be reduced .



[Watch Video Solution](#)

4. With a neat labelled diagram explain the use of Electrostatic precipitator.



**Watch Video Solution**

5. What are the effects of noise pollution on human health ?



**Watch Video Solution**

6. Describe the procedure for the overall control of pollution .



**Watch Video Solution**

7. Particulate and gaseous pollutants along with harmless gases are released from the thermal power plants .

(a) Name any two harmless gases released .

(b) Name the most widely used device of



removing particulate pollutants form the air .

Explain how the device is used .



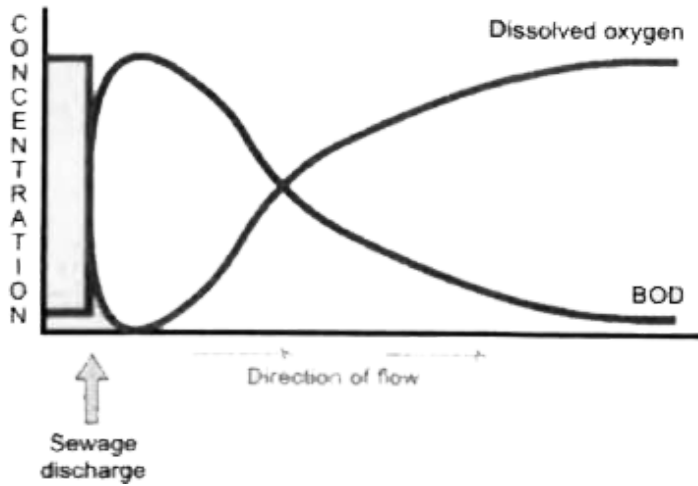
**Watch Video Solution**

**8.** Explain any three measures which will control vehicular air pollution in Indian cities .



**Watch Video Solution**

**9.** Study the graph given here and answer the questions:



- (i) What is the relationship dissolved oxygen and biochemical oxygen demand ?
- (ii) Mention their effect on aquatic life in the river .



[Watch Video Solution](#)

**10.** State the effects of sewage contamination of surface water . When steps should be taken to prevent sewage pollution.



**Watch Video Solution**

**11.** Define sewage. Explain the the two stages of treatment of sewage water.



**Watch Video Solution**

**12.** Define pollution . Compare the biodegradable and non biodegradable pollutants.



**Watch Video Solution**

**13.** What measure do you suggest to control pollution from automobile exhausts?



**Watch Video Solution**

1. With a neat labelled diagram explain the use of Electrostatic precipitator.



[Watch Video Solution](#)

2. Explain five effects of water pollution.



[Watch Video Solution](#)

3. Define pollution. With reference to water pollution, explain biochemical oxygen demand, algal bloom, biomagnification and eutrophication.



[Watch Video Solution](#)

4. What are algal blooms? How are they formed? Give the harmful effects of formation of algal blooms in an aquatic body.



[Watch Video Solution](#)

5. What is water pollution? Describe sewage pollution briefly.



[Watch Video Solution](#)

6. Discuss briefly the following :

(a) Radiocative wastes.

(b) e - wastes .

(c) Municipal solid wastes.



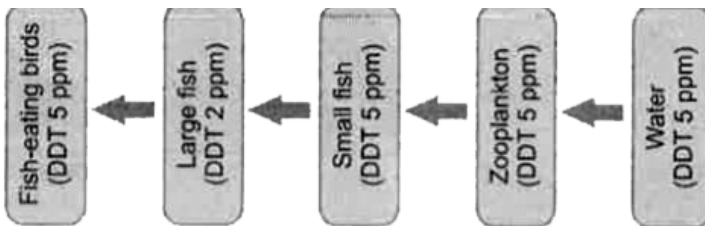
[Watch Video Solution](#)

7. Mention the major cause of air pollution in metro cities. Write any three ways by which it can be reduced .



[Watch Video Solution](#)

8. Study the given aquatic food chain and answer the question that follow :



(a) Give reasons why there is a continuous increase



(a) Give reasons why there is a continuous increase in DDT in food chain.



[Watch Video Solution](#)

## Topic 2 Very Short Answer Type Questions

1. Ozone layer in the stratosphere becomes thinner due to the release of CFC. Give a scientific reason for this.



[Watch Video Solution](#)

2. What is global warming?



**Watch Video Solution**

3. What is deforestation?



**Watch Video Solution**

4. Ozone layer is beneficial to biodiversity'.

Give reason.



**Watch Video Solution**

5. What is the green house effect?



[Watch Video Solution](#)

6. Which is the major greenhouse gas ?



[Watch Video Solution](#)

7. Give reason - Accumulation of  $CO_2$ , in the atmosphere results in global warming?



[Watch Video Solution](#)

**8. What are CFCs?**



[Watch Video Solution](#)

**9. What is afforestation?**



[Watch Video Solution](#)

**10. What is chipko movement.**





[Watch Video Solution](#)

**11.** Name the unit used for measurement of thickness of ozone in a column of air.



[Watch Video Solution](#)

**12.** Between amphibians and birds, which will be able to cope with global warming? Give reason.



[Watch Video Solution](#)

13. Which type of UV radiation can be lethal to organisms?



[Watch Video Solution](#)

14. Which one of the following is not a greenhouse gas?

$CO_2$ ,  $CH_4$ ,  $O_2$ ,  $CFCs$  .



[Watch Video Solution](#)

**15.** How is snow blindness caused in humans?



**Watch Video Solution**

## Topic 2 Short Answer Type Questions I

**1.** List any four effects of ozone layer depletion.



**Watch Video Solution**

2. It is a common practice to plant trees and shrubs near the boundary walls of buildings.

What purpose do they serve?



[Watch Video Solution](#)

3. Name any one greenhouse gas and its possible source of production on a larger scale. What are the harmful effects of it?



[Watch Video Solution](#)



4. What is meant by ozone hole? Which unit is used for measuring ozone thickness?



[Watch Video Solution](#)

5. Mention the two major environmental issues of global nature.



[Watch Video Solution](#)

6. Name the various greenhouse gases? Give their percentage contribution to global warming?



[Watch Video Solution](#)

7. It has been recorded that the temperature of the earth's atmosphere has increased by  $0.6^{\circ}$  C.

(a) What has caused this increase?

(b) Explain its consequences.





[Watch Video Solution](#)

8. How is snow blindness caused in humans?



[Watch Video Solution](#)

## Topic 2 Short Answer Type Questions Ii

1. Discuss the causes and effects of global warming. What measures need to be taken to control global warming?



[Watch Video Solution](#)

2. What is jhum (slash and burn agriculture) cultivation? How it accounts for deforestation?



[Watch Video Solution](#)

3. Explain the consequences of stratospheric ozone depletion.



[Watch Video Solution](#)

4. What has caused the increase of DDT in food chain? Explain its consequences.



**Watch Video Solution**

5. Write any three effects of Global Warming.



**Watch Video Solution**

6. What are the reasons for the degradation of natural resources by improper resources

utilization and maintenance ?



**Watch Video Solution**

## Topic 2 Long Answer Type Questions

1. What are the effects of ozone depletion?



**Watch Video Solution**

2. What is deforestation? Explain importance of people's participation in Forest

conservation with reference to Amritha Devi Bishnoi ' s case study.



**Watch Video Solution**

**3.** What is global warming? Mention the causes and effects of global warming.



**Watch Video Solution**

**Topic 2 Multiple Choice Questions**

1. Non - biodegradable pollutants are created by :

A. Nature

B. Excessive use of resources

C. Humans

D. Natural disasters

**Answer: C**



**Watch Video Solution**



2. According to the Central Pollution Control Board, particle that are responsible for causing great harm to human health are of diameter .

- A. 2.50 micrometers
- B. 5.00 micrometers
- C. 10.00 micrometers
- D. 7.5 micrometers

**Answer: B**



**Watch Video Solution**

3. The material generally used for sound proofing of rooms like a recording studio and auditorium , etc is :

A. Cotton

B. Coir

C. Wood

D. Styro foam

**Answer: D**



**Watch Video Solution**

4. Compressed Natural Gas (CNG) is :

A. Propane

B. Methane

C. Ethane

D. Butane

**Answer: B**



**Watch Video Solution**

5. World's most problematic aquatic weed is :

A. Azolla

B. Wolffia

C. Eichhornia

D. Trapa

**Answer: A**



**Watch Video Solution**

6. Which of the following causes biomagnification ?

A. Sulphur dioxide

B. Mercury

C. DDT

D. Both (b) and (c)

**Answer: D**



**Watch Video Solution**

7. The expanded form of DDT is :

- A. Dichloro diphenyl trichloroethane
- B. Dichloro diethyl trichloroethane
- C. Dichloro dipyrydyltrichloroethane
- D. Dichloro diphenyl tetrachloroacetate .

**Answer: A**



**Watch Video Solution**

8. Which of the following material takes the longest time of biodegradation ?

A. Cotton

B. Paper

C. Bone

D. Jute

**Answer: C**



**Watch Video Solution**

9. Choose the incorrect statement.

A. The Montreal protocol is associated with the control of emission of ozone depleting substance .

B. Methane and carbon dioxide are greenhouse gases.

C. Dobson units are used to measure oxygen content .

D. Use of incinerators is crucial to disposal of hospital wastes.



**Answer: C**



**Watch Video Solution**

**10.** Among the following which one causes more indoor chemical pollution?

- A. Buring coal
- B. Burning cooking gas
- C. Burning mosquito coil
- D. Room spray

**Answer: B**



**Watch Video Solution**

**11.** The green scum seen in the fresh water bodies is :

A. Blue green algae

B. Red algae

C. Green algae

D. Both (a) and (c)

**Answer: A**



**Watch Video Solution**

**12.** The loudness of a sound that a person can withstand without discomfort is about :

A. 150 dB

B. 215 dB

C. 30 dB

D. 80dB

**Answer: D**



**Watch Video Solution**

**13.** The major source of noise pollution , world wide is due to :

A. Office equipment

B. Transport system

C. Sugar , textile and paper industries

D. Oil refineries and thermal power plants

**Answer: B**



**Watch Video Solution**

**14.** Match correctly the following and choose the correct option:

- |                                                |         |
|------------------------------------------------|---------|
| (i) Environment Protection Act                 | A. 1974 |
| (ii) Air Prevention & Control of Pollution Act | B. 1987 |
| (iii) Water Act                                | C. 1986 |
| (iv) Amendment of Air Act to include noise     | D. 1981 |

The correct match is :

A. i-C, ii-D, iii-A, iv-B

B. i-A, ii-C, iii-B, iv-D

C. i-D, ii-A, iii-B, iv-C

D. i-C, ii-D, iii-B, iv-A

**Answer: A**



**Watch Video Solution**

**15.** Catalytic converters are fitted into automobiles to reduce emission of harmful

gases. Catalytic converters change unburnt hydrocarbons into :

- A. Carbon dioxide and water
- B. Carbon mono-oxide
- C. Methane
- D. Carbon dioxide and methane

**Answer: A**



**Watch Video Solution**

**16.** Why is it necessary to remove sulphur from petroleum products?

A. To reduce the emission of sulphur dioxide in exhaust fumes

B. To increase efficiency of automobiles engines

C. To use sulphur removed from petroleum for commercial purposes



D. To increase the life span of engine silencers

**Answer: B**



**Watch Video Solution**

17. Which one of the following impurities is easiest to remove from waste water?

A. Bacteria

B. Colloids

C. Dissolved solids

D. Suspended solids

**Answer: C**



**Watch Video Solution**

**18.** Which one of the following diseases is not due to contamination of water?

A. Hepatitis - B

B. Jaundice

C. Cholera

D. Typhoid

**Answer: B**



**Watch Video Solution**

**19.** Nuisance growth of aquatic plants and bloom forming algae in natural waters is generally due to high concentrations of:

A. Carbon

B. Sulphur

C. Calcium

D. Phosphorus

**Answer: C**



**Watch Video Solution**

**20.** Algal blooms impart a distinct colour to water due to:

A. Their pigments

B. Excretion of coloured substances.

C. Formation of coloured chemical in water

facilitated by physiological degradation

of algae .

D. Absorption of light by alge cell wall.

**Answer: B**



**Watch Video Solution**

21. Match the items in column I and column II

and choose the correct option :

**Column I**

- A. UV
- B. Biodegradable  
Organic matter
- C. DDT
- D. Phosphates

**Column II**

- (i) Biomagnification
- (ii) Eutrophication
- (iii) Snow blindness
- (iv) BOD

The correct match is :

A. A-ii, B-i, C-iv, D-iii

B. A-iii, B-ii, C-iv, D-i

C. A-iii, B-iv, C-i, D-ii

D. A-iii, B-i, C-iv, D-i

**Answer: C**



**Watch Video Solution**

22. The textbook you came across Three Mile Island and Chernobyl disasters associated with accidental leakage of radioactive wastes. In India we had Bhopal gas tragedy. It is associated with which of the following ?

A. Carbon dioxide

B. Methyl Iso-Cyanate

C. CFC's.

D. Methy Cyanate.

**Answer: B**



**Watch Video Solution**