



BIOLOGY

BOOKS - ARIHANT PUBLICATION

ENVIRONMENTAL ISSUES

Part I Question For Practice Very Short Answer Type Questions

1. The major pollutant from automobile exhaust is known as

A. NO

B. CO

C. SO_2

D. Soot

Answer: B



Watch Video Solution

2. Which air pollutant could cause rains to be acidic ?

- A. Dust particles from cement factories
- B. Insecticides from crop sprays
- C. Smoke from wood fires
- D. Sulphur dioxide from coal-fired power stations

Answer: D



Watch Video Solution

3. Which process does not result in the return of carbon dioxide to the atmosphere?

A. Combustion of fossil fuels

B.

C. Respiration by bacteria

D. Photosynthesis by green plants

Answer: D



Watch Video Solution

4. Which kind of power station produces sulphur dioxide causing air pollution and acid rain?



Watch Video Solution

5. Eutrophication in lakes is the direct result of

A. a diminished supply of nitrates and phosphates

B.

- C. nutrient enrichment such as nitrate and phosphate runoffs from the land
- D. an increase in predators

Answer: C



Watch Video Solution

6. Why does the oxygen concentration in the water decrease when sewage is discharged into a river?

- A. Decrease in the number of plants
- B. Increase in the number of fish
- C. Less oxygen absorbed from the air
- D. Rapid growth of bacteria

Answer: B



Watch Video Solution

7. Minamata disease is caused by due to presenec of --- in water.

A. mercury

B. lead

C. tin

D. methylisocyanate

Answer: A



Watch Video Solution

8. Write the causes of Deforestation.



Watch Video Solution

9. Acid rain, a secondary effect of sound pollution.



Watch Video Solution

10. What are the effects of Deforestation?



Watch Video Solution

11. Increased algal bloom in pond and lake due to excess of nutrients is a phenomenon called

biological magnification.



Watch Video Solution

12. Bhopal gas tragedy was due to the release of gas from Union Carbide's pesticide plant.



Watch Video Solution

13. The toxic metal that is used as an antiknocking agent in petrol engines of

automobiles is



Watch Video Solution

14. The Bharat Emission Norms came into force from



Watch Video Solution

15. The expression that reflects the depleted oxygen content in the extremely polluted water.



[Watch Video Solution](#)

16. Expand DDT.



[Watch Video Solution](#)

Part I Question For Practice Short Answer Type Questions

1. State the function of catalytic converter in automobile. Name any two metals used in

these converters.



Watch Video Solution

2. Which of the following is a man-made source of air pollution ?



Watch Video Solution

3. Write a short note on water pollution.



Watch Video Solution

4. Write short note on algal bloom.



Watch Video Solution

5. What is BOD ?



Watch Video Solution

6. What are the sources of radioactive pollution ?



Watch Video Solution

7. Write notes: Biomagnification



Watch Video Solution

8. Write a note on treatment of sewage.



Watch Video Solution

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

eutrophication.



Watch Video Solution

10. Discuss briefly about the catalytic converter.



Watch Video Solution

11. Biological Oxygen Demand or BOD increases with increase in water pollution. In this reference, answer the questions that

follows

- (i) At a particular segment of the river near a sugar factory, the BOD is much higher than the normal level. What is it indicative of?
- (ii) What will happen to the dissolved oxygen and living organisms in the part of the river?



Watch Video Solution

12. Explain the term "Eutrophication".



Watch Video Solution

13. How does algal bloom cause eutrophication of water body?



Watch Video Solution

14. Why is there a decline in population of fish-eating birds, when the water body is amidst agricultural fields?



Watch Video Solution

Part I Question For Practice Long Answer Type Questions

1. Discuss briefly about the following :

(i) Radioactive waste

(ii) Defunct ships and e-wastes.



Watch Video Solution

2. What initiatives were taken for reducing vehicular air pollution in Delhi? Has air quality improved in Delhi?



[Watch Video Solution](#)

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



[Watch Video Solution](#)

Part I Question For Assessment Very Short Answer Type Question

1. The most harmful types of environment pollutants are

A. human organic wastes

B. wastes from faecal

C. non-biodegradable chemicals

D.

Answer: C



Watch Video Solution

2. Taj Mahal is threatened by pollution form:

A. chlorine

B. SO_2

C. oxygen

D. hydrogen

Answer: B



Watch Video Solution

3. CO is a pollutant because it

- A. inactivates nerves
- B. combines with oxygen
- C. combines with Hb
- D. inhibits growth

Answer: C



Watch Video Solution

4. Flyash is an environment pollutant produced by

A. thermal power plant

B. oil refinery

C. fertilisation plant

D. strip mining

Answer: D



Watch Video Solution

5. Which type of pollution is caused by scooters?

A. Air pollution

B. Soil pollution

C. Both (a) and (b)

D. Water pollution

Answer: A



Watch Video Solution

6. Acid rain occurs in areas where

A. large plantation occurs

B.

C. there are big industries and the atmosphere is polluted with SO_2

D. There are no industries

Answer: C



Watch Video Solution

7. Air pollution effects are usually found on the

A. leaves

B. flowers

C. stems

D. roots

Answer: A



Watch Video Solution

8. Eutrophic lakes are highly

A. productive

B. enriched with phosphates

C. heavy metal

D. None of the above

Answer: B



Watch Video Solution

9. Photochemical smog contains Nox and SO_2 .



Watch Video Solution

10. Radioactive pollution is caused by α , β , γ particles.



Watch Video Solution

11. In a scrubber, the effluent containing sulphur dioxide is passed through spray of



Watch Video Solution

12. Most hazardous metal pollutant of automobile exhausts is :



Watch Video Solution

13. Which gas leaked to bring havoc in Bhopal tragedy ?



Watch Video Solution

14. Which metal causes gangrenes?



[Watch Video Solution](#)

Part I Question For Assessment Short Answer Type Question

1. List some adverse effects of particulate matter on human health.



[Watch Video Solution](#)

2. Write a note on Euro III norms.



[Watch Video Solution](#)

3. What are the problems associated with e-waste?



Watch Video Solution

4. Mention two important problems relating to nuclear energy.



Watch Video Solution

5. Write down the advantages and disadvantages of switching of automobiles from petrol to CNG.



Watch Video Solution

6. What are the sources of solid waste?



Watch Video Solution

**Part I Question For Assessment Long Answer
Type Question**

1. What are primary pollutants and secondary pollutants?



Watch Video Solution

2. What are the different sources of water pollution?



Watch Video Solution

**Part Ii Question For Practice Very Short Answer
Type Global Warming**

1. Global warming can be controlled by

A. reducing reforestation, increasing the use of fossil fuel

B. increasing deforestation, slowing down the growth of human population

C.

D. increasing reforestation, cutting down use of fossil fuel

Answer: D



Watch Video Solution

2. The common refrigerant that is responsible for the depletion of stratospheric ozone is

A. CFC

B. NO

C. SO_2

D. Ozone

Answer: A



Watch Video Solution

3. Slash and burn agriculture is known as

- A. Striping farming
- B. intercrop farming
- C. jhum cultivate
- D. intensive farming

Answer: C



Watch Video Solution

4. Ozone hole is the

- A. absence of O_3 in stratosphere
- B. presence of O_3 in stratosphere
- C. deficiency of O_3 in stratosphere
- D.

Answer: C



Watch Video Solution

5. Ozone depletion is occurring due to

A. PCB

B. CO

C. PAN

D. None of these

Answer: D



Watch Video Solution

6. Which one of the following is linked with greenhouse effect?

A. CFC

B. Freon and CH_4

C. CO_2

D. All of the these

Answer: C



Watch Video Solution

7. Women empowerment in Tehri-Garhwal by Sundarlal Bahuguna for the conservation of forests is popularly known as

- A. agro forestry
- B. shifting cultivation
- C. chipko movement
- D. None of these

Answer: C



Watch Video Solution

8. Ozone hole is present above Antarctica.



Watch Video Solution

9. Greenhouse effect refers to cooling of earth.



Watch Video Solution

10. Nitrogen is a greenhouse gas.



Watch Video Solution

11. Melting of glaciers is an effect of



Watch Video Solution

12. Two greenhouse gases produced by anaerobes are and



Watch Video Solution

13. In 1980s, the government of India introduced a concept known as



Watch Video Solution

14. In which year Copenhagen conference was held?



Watch Video Solution

15. In which year was Montreal Protocol signed?



Watch Video Solution

16. Above which region of earth is ozone hole located?



Watch Video Solution

17. Write notes on : Greenhouse effect



Watch Video Solution

18. Write notes on : Ozone depletion



Watch Video Solution

19. What is "Ozone Shield" ?



Watch Video Solution

Part Ii Question For Practice Short Answer Type Questions

1. What is the common household source of CFC_s ? How these gases affect the ozone layer?



Watch Video Solution

2. Write, what was the percentage of forest cover of India at the beginning and at the end of 20th century. How different it is from the one recommended by National Forest Policy?



Watch Video Solution

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



Watch Video Solution

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

(i) What has caused this increase?

(ii) Explain its consequences.



Watch Video Solution

5. How does Jhum cultivation promote deforestation?



Watch Video Solution

6. How can slash and burn agriculture become environment friendly?



Watch Video Solution

7. What is the main idea behind 'Joint Forest Management Concept' introduced by the Government of India?



Watch Video Solution

8. Write a note on deforestation and enumerate its consequences.



Watch Video Solution

9. Why has the National Forest Commission of India recommended a relatively larger forest cover for hills than for plains?



Watch Video Solution

10. How have human activities cause desertification? Explain.



Watch Video Solution

11. What do you know about Chipko Movement?



Watch Video Solution

12. Discuss causes and effect of global warming.



Watch Video Solution

13. Write notes on : Greenhouse effect



Watch Video Solution

14. What depletes ozone in the stratosphere?

How does this affect human life?



Watch Video Solution

15. Why there is ozone depletion mainly over

Antarctica ?



Watch Video Solution

16. Discuss the role of women and communities in protection and conservation of forests.



Watch Video Solution

Part II Question For Assessment Very Short Answer Type Questions

1. Objective of Kyoto protocol is

A. reducing greenhouse gas

B. reducing water pollution

C. reducing sound pollution

D. reducing solid waste

Answer: A



Watch Video Solution

2. Who was the former of Van Sanrakshan Samiti ?

A. Subrat Kumar

B. Amrita Devi

C. KC Mehta

D. Ahmed Khan

Answer: A



Watch Video Solution

3. Global warming can be controlled by

A. reducing reforestation increasing the
use of fossil fuel

B.increasing deforestation slowing down
the growth of human population

C.increasing deforestation, reducing
efficiency of energy usage

D.reducing deforestation, cutting down
use of fossil fuel

Answer: D



Watch Video Solution

4. The common refrigerant that is responsible for the depletion of stratospheric ozone is

A. CFC

B. NO

C. SO_2

D. Ozone

Answer: A



Watch Video Solution

5. Women empowerment in Tehri-Garhwal by Sundarlal Bahuguna for the conservation of forests is popularly known as

- A. agro forestry
- B. shifting cultivation
- C. chipko movement
- D. None of the above

Answer: C



Watch Video Solution

6. Chaukas are square dykes, that conserve reainwater.



Watch Video Solution

7. 22nd March is observed as World Forest Day.



Watch Video Solution

8. Ozone hole is the thinning of ozone layer in

..... .





Watch Video Solution

9. Melting of glaciers is an effect of



Watch Video Solution

10. In which year 'Joint Forest Management' concept was introduced in India?



Watch Video Solution

11. In which layer of atmosphere ozone layer is found ?



Watch Video Solution

Part II Question For Assessment Short Answer Type Questions

1. State the contribution (in percentage) of the various greenhouse gases mentioned below towards global warming.

(i) Methane (CH_4)

(ii) Nitrogen oxide (N_2O)



Watch Video Solution

2. Discuss 'El Nino effect'.



Watch Video Solution

3. Write an account on Montreal Protocol.



Watch Video Solution

4. Humans are responsible for the increased concentration of greenhouse gases in environment. How can this be minimised?



Watch Video Solution

5. Jhuming practice causes soil erosion. true or false



Watch Video Solution

6. Discuss causes and effect of global warming.



Watch Video Solution

7. Write a note on the case study of Lapodiya village of Rajasthan.



Watch Video Solution

Part Ii Question For Assessment Differentiate Between The Following

1. Differentiate between

Biomagnification and Eutrophication



Watch Video Solution

2. Deforestation and Reforestation.



Watch Video Solution

3. Point and Non-point sources of water pollution.



Watch Video Solution

4. Differentiate between bio-degradable pollutant and non-biodegradable pollutant.



Watch Video Solution

5. Differentiate between : Herbicides and Pesticides.



Watch Video Solution

6. Write notes on : Acid rain



Watch Video Solution

Odisha Bureau S Textbook Solutions Very Short Answer Type Questions

1. Which gas leaked from Union Carbide's Pesticide Plant in December 1984 is responsible for Bhopal Gas Tragedy?

A. Methyl salicylate

B. Methyl isocyanate

C. Ammonia

D. Hydrogen sulphide

Answer: B



Watch Video Solution

2. Minamata disease is caused by the consumption of fish contaminate with

A. lead

B. copper

C. zinc

D. mercury

Answer: D



Watch Video Solution

3. The toxic metal that is used as an antiknocking agent in petrol engines of automobiles is

A. chelated copper

B. tetraethyl lead

C. iron sulphide

D. lead chloride

Answer: B



Watch Video Solution

4. The Bharat Emission Norms came into force from

A. 1998

B. 2000

C. 2008

D. 2010

Answer: B



Watch Video Solution

5. Bone and tooth decay disease is caused by drinking water contaminated with

A. fluoride

B. borate

C. silicate

D. aluminium

Answer: A



Watch Video Solution

6. Removal of toxic substances from water by using living organisms.





[Watch Video Solution](#)

7. Toxic compound formed by the reaction of carbon monoxide with haemoglobin in blood.



[Watch Video Solution](#)

8. Enrichment of water bodies with excess amount of nutrients as a result of runoff from surrounding land leading to overgrowth of plants and algae.



[Watch Video Solution](#)

9. A kind of air pollutant named for the mixture of smoke and fog in the air.



Watch Video Solution

10. _____ day is observed as World Diabetes Day.



Watch Video Solution

11. The process of nutrient enrichment in water bodies is called as biomagnification.



Watch Video Solution

12. Particulate matter formed by the combination of gas and water vapour is called as smog.



Watch Video Solution

13. Chipko Movement was organised for the protection of water bodies



Watch Video Solution

14. Environment protection act was enacted in
:



Watch Video Solution

15. The common refrigerant that is responsible for the depletion of stratospheric ozone is



Watch Video Solution

16. Toxic compound formed by the reaction of carbon monoxide with haemoglobin in blood.



Watch Video Solution

17. Depletion of ozone layer is speeded up by the atom present in CFC.



Watch Video Solution

Odisha Bureau S Textbook Solutions Short Answer Type Questions

1. Explain the terms with suitable examples:

Aerosol



Watch Video Solution

2. Write notes on : Greenhouse effect



Watch Video Solution

3. Write short note on the following

Eutrophication



Watch Video Solution

4. Write notes on : Acid rain



Watch Video Solution

5. Photochemical smog.



Watch Video Solution

6. Write notes with 2 to 3 important points

:Global warming



Watch Video Solution

1. Differentiate between

Aerosol & Smog



Watch Video Solution

2. Differentiate between :Renewable and non-renewable resources.



Watch Video Solution

3. Differentiate between

Biomagnification and Eutrophication



Watch Video Solution

4. Distinguish between primary pollutant and secondary pollutant.



Watch Video Solution

1. Answer within 200 words : Give an account of secondary air pollutants .



Watch Video Solution

2. How can the industrial and vehicular emissions be controlled? Describe.



Watch Video Solution

3. Write the causes of ground water pollution and state how this can be controlled.



Watch Video Solution

4. Write about the different classes of solid wastes.



Watch Video Solution

5. What are green house gases ?



[Watch Video Solution](#)

6. Discuss causes and effect of global warming.



[Watch Video Solution](#)

Chapter Practice Very Short Answer Type Questions

1. Most hazardous metal pollutant of automobile exhausts is :

A. arsenic

B. cadmium

C. manganese

D. lead

Answer: D



Watch Video Solution

2. Photochemical smog pollution does not contain :

A. PAN

B. O_3

C. NO_2

D. CO_2

Answer: B



Watch Video Solution

3. The primary cause of acid rain around the world is

A. CO_2

B. SO_2

C. CFC

D. CO

Answer: B



Watch Video Solution

4. Chipko Movement was launched in

A. 1973

B. 1931

C. 1791

D. 1789

Answer: A



Watch Video Solution

5. Ozone is

A. harmful in the upper atmosphere

B. beneficial in the upper atmosphere

C. beneficial in the lower atmosphere

D.

Answer: A



Watch Video Solution

6. The basic component of photochemical smog is

A. O_3

B. PAN

C. Both (a) and (b)

D. None of these

Answer: B



Watch Video Solution

7. Catalytic converter is used in automobiles

A. to remove lead

B. for converting CO to CO₂

C. to remove H_2O

D. All of these

Answer: A



Watch Video Solution

8. Deforestation is one of major factors of global warming.



Watch Video Solution

9. Algal blooms occur in nutrient poor water.



[Watch Video Solution](#)

10. The enrichment of the bottom soil of water bodies due to excess runoff nitrogen and phosphorous is known as



[Watch Video Solution](#)

11. are the major compounds responsible for ozone reduction.



[Watch Video Solution](#)

12. Name the unit to measure ozone layer.



Watch Video Solution

13. Expand BOD :



Watch Video Solution

14. What are green house gases ?



Watch Video Solution

15. Scrubbers are mostly used to remove which gas from industrial effluents?



Watch Video Solution

Chapter Practice Short Answer Type I Questions

1. Write down the various constituents of domestic waste.



Watch Video Solution

2. Explain the working of electrostatic precipitator along with diagram.



Watch Video Solution

3. What is biomagnification ? Explain its ill effect.



Watch Video Solution

4. How is soil pollution caused?



[Watch Video Solution](#)

Chapter Practice Short Answer Type II Questions

1. Differentiate between the following

(i) Acid rain and Photochemical smog

(ii) Agriculture waste and Radioactive waste



[Watch Video Solution](#)

2. What do you understand by pollution?

Discuss briefly the different types of pollution.



Watch Video Solution