



# BIOLOGY

## BOOKS - NAVNEET PUBLICATION

### ENVIRONMENTAL MANAGEMENT

#### Examples

1. How does the atmosphere affect our daily life?



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2. Forecasts about which weather related factors are given during the news bulletins on Doordarshan and Akanshvani?



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3. What is meant by pollution?



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4. In which different ways do our surroundings get polluted?



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5. What is meant by solid waste?



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6. What are the different things included in solid waste?



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7. Into which two categories can the waste materials in the lists above be classified?



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8. What are the types of casualties that are seen to occur in different types of disasters?



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## Exercise

1. Complete the statements using the given options and justify those statements:

(geographic favourability, climate, weather, observatory)

Of the abiotic factors that affect biodiversity by far the most important is .....



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2. Complete the statements using the given options and justify those statements:

(geographic favourability, climate, weather, observatory)

A description of the climatic conditions of short duration in a particular area is .....



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3. Complete the statements using the given options and justify those statements:

(geographic favourability, climate, weather, observatory)

Irrespective of the progress of human beings we have to think about.....



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**4.** Complete the statements using the given options and justify those statements:

(geographic favourability, climate, weather, observatory)

Establishments where various climate factors are recorded are called.....



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**5.** Choose the correct alternative and write it along with its allotted alphabet:

.....is observed as 'World Meteorological Day'.

A. 2 February

B. 23 March

C. 16 September



D. 7 October

**Answer: B**



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**6.** Choose the correct alternative and write it along with its allotted alphabet:

.....had underlined the relationship between various world wide climatic factors and the Indian monsoon.

A. H.F. Blanford

B. Dr Vasantrao Govarikar

C. Sir Gilbert Walker

D. None of the above

**Answer: C**



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7. Choose the correct alternative and write it along with its allotted alphabet:

Cell phones form .....waste.

A. Industrial

B. hazardous

C. electronic

D. biomedical

**Answer: C**



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**8.** Choose the correct alternative and write it along with its allotted alphabet:

Restriction of the use of resources to avoid

their wastages is called "....." principle of solid waste management

A. reuse

B. reduce

C. rethink

D. recycle

**Answer: B**



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9. Choose the correct alternative and write it along with its allotted alphabet:

.....is the largest producer of electricity from solid waste.

A. America

B. China

C. India

D. Australia

**Answer: A**



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**10.** Choose the correct alternative and write it along with its allotted alphabet:

CPR helps to bring the .....back to normal

- A. circulation
- B. excretion
- C. digestion
- D. reproduction

**Answer: A**





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**11.** State whether the following statements are true or false:

Mismanagement of solid waste does not cause soil, water air pollution.



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**12.** State whether the following statements are true or false:

Pune generates 5000 tonnes of solid waste per day.



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**13.** State whether the following statements are true or false:

Biomedical waste is very hazardous for human life.



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**14.** State whether the following statements are true or false:

Plastic decomposes rapidly with the help of earthworms.



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**15.** State whether the following statements are true or false:

Solid waste pollution is aesthetically good.



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**16.** State whether the following statements are true or false:

Plastic carry bags are eaten by stray cows.



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**17.** State whether the following statements are true or false:

Microorganisms present in the soil are useless.



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**18.** State whether the following statements are true or false:

Deep well injection system is practised for disposal of waste in the seas.



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**19.** State whether the following statements are true or false:

We cannot generate anything through pyrolysis.



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**20.** State whether the following statements are true or false:

Social awareness programmes should be organized in every school for creating awareness about management of solid waste.



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21. Match the items in Column 'A' with the proper ones in Column 'B' and explain their impact on the environment:

Column 'A'	Column 'B'
(1) Harmful waste	(a) Glass, rubber, carry bags, etc.
(2) Domestic waste	(b) Chemicals, pigments, ash, etc.
(3) Biomedical waste	(c) Radioactive material
(4) Industrial waste	(d) Leftover food, vegetables, peelings of fruits
(5) Urban waste	(e) Bandages, cotton, needles, etc.



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**22.** Find the odd one out:

Spoilt vegetables, Broken C D player, Empty sauce bottle, Worn out nails.



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**23.** Find the odd one out:

Paint residue, Sludge, Ash, Dead rat.



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**24.** Find the odd one out:

Amputated limb, cotton bandages, plastic carry bags, Syringe.



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**25.** Find the odd one out:

Cow dung, fish pieces, Rotten raisins, Resin.



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**26.** Rearrange the following into biodegradable and non-biodegradable wastes:

Glass, Rubber, Metal, food, Garden waste, Plastic, Wood.



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**27.** Arrange following items in ascending order of time period required for their decomposition:

Wood, banana peels, rags, plastic carry bag.







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**28.** Arrange following items in ascending order of time period required for their decomposition:

Thermocol, tin containers, plastic cups, paper bags.



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**29.** Distinguish between the following :

Weather and climate.



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**30.** Distinguish between the following :

Degradable and Non-degradable waste.



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**31.** Name the following:

The date on which 'World Meteorological Day' is celebrated.



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**32.** Name the following:

Things included in biomedical wastes.



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**33.** Name the following:

Things included in E-waste.



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**34.** Name the following:

Radioactive wastes.



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**35.** Name the following:

Hazardous wastes.



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**36.** Complete the paragraph by choosing the words given in the bracket:

(habitat, health , solid waste, disposed, valuable, pollution)

Many waste materials are generated through the various daily human activities. This is called.....If these waste materials are properly.....of, they can be a .....source of energy. Currently, solid waste is a serious world wide problem as it causes both water and soil.....Solid waste is also serious problem from the point of view of economic growth,

environmental degradation and .....It has posed a serious threat to nature and human .....because of the air, water and soil pollution it causes.



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**37.** Answer the following question:

Give examples of the importance of climate in the living world with explanations, in your own words.



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**38.** Answer the following question:

Explain with suitable examples, the relationship between weather forecasting and disaster management.



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**39.** Answer the following question:

Explain the scientific methods in municipal solid waste management.



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**40.** Answer the following question:

How are degradable and non-degradable wastes classified? Which things are seen in these wastes?



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**41.** Answer the following question:

Which articles are included in dry and wet waste?





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**42.** Answer the following question:

What are the effects of improper management of solid wastes?



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**43.** Answer the following question:

What are the common methods of solid waste management?





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**44.** Answer the following question:

Why is solid waste management done?



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**45.** Answer the following question:

What are the household methods in solid waste management?



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**46.** Why is e-waste harmful? Express your opinion about this.



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**47.** Answer the following question:

What are the seven principles of solid waste management?



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**48.** Answer the following question:

What points are included under disaster management?



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**49.** How is first aid provided to victims of disasters who are injured?



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**50.** Explain with suitable examples, the care to be taken when using methods of transporting patients.



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**51.** How will you register your individual participation in solid waste management?



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**52.** Which natural calamities have you experienced? How did they affect the conditions in your surroundings?



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**53.** How will you make a plan to be safe from calamities or to minimize the damage?



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**54.** Answer the following question:

If the time required for degradation of the solid waste generated around us is long, it seriously affects other environment factors.

What care will you take to avoid this?



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**55.** Write short notes on:

Meteorology



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**56.** Write short note on Indian Meteorological Department.



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**57.** Write short notes on:  
Climatic factors



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**58.** Write short notes on:

Monsoon model



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**59.** Write short notes on:

Industrial waste



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**60.** Write short notes on:

Plastic waste



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**61.** Write short notes on:

Principles of first aid



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**62.** Write short note on RICE remedy.



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**63.** Give reason:

Human progress is related to a conducive climate and geography.



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**64.** Give reason:

Human beings have designed a time schedule

for their lives based upon centuries of climatic experiences.



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**65.** Give reason:

Scientists find it necessary to study climate in view of its effect on agricultural production.



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**66.** Give reason:

Waste is a valuable resources,if managed properly.



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**67.** Give reason:

Open dumping of wastes directly affects are human health.



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**68.** Give reason:

We must avoid using tissue paper.



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**69.** Use your brain power:

Which factors are affected favourably or unfavourably by climate? What must we do to minimize this effect?



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**70.** Why is it necessary to recycle non-degradable waste?



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**71.** Which materials are included in solid dry waste?



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**72.** Paragraph based question:

Read the following paragraph and answer the

question based on it.

Many waste materials are generated through the various daily human activities. This is called solid waste. If these waste materials are properly disposed of, they can be valuable source of energy. Currently, solid waste is a serious world wide problem as it causes both water and soil pollution. Solid waste is also serious problem from the point of view of economic growth, environment degradation and health. It has posed a serious threat to nature and human habitat because of the air, water and soil pollution it causes. Solid waste



generated in the main metro cities of the state is approximately as follows-Mumbai: 500 tons, Pune: 1700 tons, Nagpur : 900 tons.

Who creates solid wastes and how is it created?



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**73.** Paragraph based question:

Read the following paragraph and answer the question based on it.

Many waste materials are generated through

the various daily human activities. This is called solid waste. If these waste materials are properly disposed of, they can be valuable source of energy. Currently, solid waste is a serious world wide problem as it causes both water and soil pollution. Solid waste is also serious problme from the point of view of economic growth, environment degradation and health. It has posed a serious threat to nature and human habitat because of the air, water and soil pollution it causes. Solid waste generated in the main metro cities of the state is approximately as follows-Mumbai: 500

tons, Pune: 1700 tons, Nagpur : 900 tons.

When can be the wastes become valuable source of energy?



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**74.** Paragraph based question:

Read the following paragraph and answer the question based on it.

Many waste materials are generated through the various daily human activities. This is called solid waste. If these waste materials are

properly disposed of, they can be valuable source of energy. Currently, solid waste is a serious world wide problem as it causes both water and soil pollution. Solid waste is also serious problme from the point of view of economic growth, environment degradation and health. It has posed a serious threat to nature and human habitat because of the air, water and soil pollution it causes. Solid waste generated in the main metro cities of the state is approximately as follows-Mumbai: 500 tons, Pune: 1700 tons, Nagpur : 900 tons.

From which viewpoint is solid waste a serious problem?



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**75.** Paragraph based question:

Read the following paragraph and answer the question based on it.

Many waste materials are generated through the various daily human activities. This is called solid waste. If these waste materials are properly disposed of, they can be valuable

source of energy. Currently, solid waste is a serious world wide problem as it causes both water and soil pollution. Solid waste is also serious problem from the point of view of economic growth, environment degradation and health. It has posed a serious threat to nature and human habitat because of the air, water and soil pollution it causes. Solid waste generated in the main metro cities of the state is approximately as follows-Mumbai: 500 tons, Pune: 1700 tons, Nagpur : 900 tons.

How does solid waste pose serious threat to human habitats?



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**76. Paragraph based question:**

Read the following paragraph and answer the question based on it.

Many waste materials are generated through the various daily human activities. This is called solid waste. If these waste materials are properly disposed of, they can be valuable source of energy. Currently, solid waste is a serious world wide problem as it causes both water and soil pollution. Solid waste is also

serious problem from the point of view of economic growth, environment degradation and health. It has posed a serious threat to nature and human habitat because of the air, water and soil pollution it causes. Solid waste generated in the main metro cities of the state is approximately as follows-Mumbai: 500 tons, Pune: 1700 tons, Nagpur : 900 tons.

Which city of Maharashtra generates highest amount of solid waste?



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