

17. Pollution – Preventive Measures

EXERCISE

A. Answer the following questions.

1. State the advantages of carpooling.

Ans. The advantages of carpooling are:

- It reduces each person's costs, tolls and stress of driving.

- It is more environmental friendly and sustainable way to travel.
- It reduces carbon emissions, traffic congestion on roads and the need for parking spaces.
- It is more useful for people who work in place with more jobs nearby and for those who live in places with higher residential densities.

2. Name the alternative modes of transport. In what way does it help to reduce air pollution?

Ans. The alternative modes of transport are public transport.

- It includes trains, metros and buses.
- It helps in reducing air pollution.
- It can relieve traffic congestion.
- Reduce air pollution from road transport.
- A sustainable transport policy can be developed.

3. How are smoking zones useful in prevention of air pollution?

Ans. ● Smoking bars are public policies, including criminal laws and occupational safety and health regulations that prohibit tobacco smoking in work places and other public spaces.

- The rationale for smoking bars indicates that smoking is optional but breathing is not.
- Hence, smoking bars are enforced to protect people from effects of second hand smoke.
- It includes an increased risk of heart disease, cancer, etc.

4. Explain the term organic farming. How does organic farming help in saving the soil quality?

Ans. Organic farming is a technique which involves cultivation of plants and rearing of animals in natural ways.

Organic farming help in saving the soil quality:

- This process involves the use of biological material, avoiding synthetic substances to maintain soil fertility and ecological balance thereby minimising pollution and wastage.
- As they do not use chemical fertilisers it reduces soil pollution and protects soil quality.
- It relies on ecologically balanced agricultural principles like crop rotation, green manure, organic wastes etc.

- It helps in fixing nitrogen fixation in soils using legumes.

5. State any three characteristic features of organic farming.

Ans. Three characteristic features of organic farming are:

- (i) Protecting soil quality.
- (ii) Indirect provision of crop nutrients using soil microorganisms.
- (iii) Nitrogen fixation in soils using legumes.
- (iv) Weed and pest control based on crop rotation, biological diversity, natural predators and organic manures. (any three)

B. Give reasons for the following:

1. Car pooling is often encouraged by authorities.

Ans. It is eco-friendly and sustainable way to travel as sharing journey reduces carbon emissions during the period of high pollution. Even it is encouraged during the high fuel price.

2. The use of renewable energy resources is of prime importance.

Ans. They do not cause pollution like fossil fuel and also to conserve the exhaustible fossil fuel energy it is important to use the renewable energy resources.

C. Choose the correct option.

1. Refer to the image & identify the type of preventive measure taken to reduce pollution.

- (a) Public Transport
- (b) Jeep pooling
- (c) Car pooling
- (d) None of the above

2. Which of the following preventive measure is depicted by the symbol?

- (a) No parking zone
- (b) No smoking zone
- (c) No plastic zone
- (d) No horn zone



3. NEERI stands for

- (a) National Environmental Engineering Research Institute.
- (b) National Ecological Environmental Research Institute.

- (c) Natural environmental Ecological Research Institute.
 - (d) Nation's Environmental Economical Research Institute.
4. Which of the following statement related to organic farming is not correct?
- (a) It involves the fixation of nitrogen through the use of legumes.
 - (b) It involves the use of chemical fertilizer.
 - (c) It involves crop rotation
 - (d) It relies on ecologically balanced agricultural principles.
5. The following symbol is used in aircraft for
- (a) No talking
 - (b) No movement
 - (c) No smoking
 - (d) No sleeping



Answer

1. c 2. b 3. a 4. b 5. c