

CASE STUDY QUESTION 07

Read the following and answer any four questions from (i) to (v)

The activities of man had adverse effects on all forms of living organisms in the biosphere. Unlimited exploitation of nature by man disturbed the delicate ecological balance between the living and non-living components of the biosphere. The unfavorable conditions created by man himself threatened the survival not only of him but also of the entire living organisms on the mother earth. One of your classmates is an active member of 'Eco club' of your school which is creating environmental awareness amongst the school students, spreading the same in the society and also working hard for preventing environmental degradation of the surroundings.



Eco Club

(a) It is necessary to conserve our environment. Which of these is the reason to conserve our environment?

- (i) To save water, air and soil from pollution.
- (ii) To maintain ecological balance.
- (iii) To save ozone layer
- (iv) All of these

Ans: (iv) All of these

(b) The green and blue dustbin signifies for:

- (i) Biodegradable waste and non-biodegradable waste respectively.
- (ii) Non-biodegradable waste and biodegradable waste respectively.
- (iii) Eco-friendly waste
- (iv) Domestic waste only

Ans: (i) Biodegradable waste and non-biodegradable waste respectively.

Green dustbins is for Biodegradable waste and blue dustbins is for non-biodegradable waste.

(c) Which of these non-biodegradable wastes generated daily in kitchen can be recycled?

(i) Polythene bags

(ii) Plastic containers

(iii) Vegetable waste

(iv) Both (i) and (ii)

Ans: (iv) Both (i) and (ii)

(d) Why are plastics difficult to recycle?

(i) Because it is a very hard material

(ii) Because of the different sizes of plastic

(iii) Because it is very adhesive in its nature

(iv) Because of different types of polymer resins

Ans: (iv) Because of different types of polymer resins

(e) In the following groups of materials, which group(s) contains only non-biodegradable items?

(I) Wood, paper, leather

(II) Polythene, detergent, PVC

(III) Plastic, detergent, grass

(IV) Plastic, bakelite, DDT

(i) (III)

(ii) (IV)

(iii) (I) and (III)

(iv) (II) and (IV)

Substances which are not broken down by the bacteria or saprophytes are called non-biodegradable substances. Under certain conditions, the non-biodegradable substances can persist for longer time and can also harm the various components of our ecosystem.

Ans: (iv) (II) and (IV)