

Our Environment

IV. Long Answer Type Questions:

Q1. Why are the plants and animals interdependent on each other?

Ans. 1:- The plants and animals are interdependent on each other in following ways:

- (i) Animals depend on plants for their food.
- (ii) Plants also provide oxygen to animals to breathe in.
- (iii) Plants keep the environment clean and provide shelter to animals.
- (iv) Animals provide carbon dioxide which plants use for making their food.
- (v) Dead and decaying animals provide nutrients for plants to grow.

Q2. What do you know about the term 'ecosystem'? How is it useful for human beings?

Ans. 2:- An ecosystem is a system formed by the interaction of all living organisms with each other and with their environment through transfer of energy and material.

Ecosystem is useful for human beings in following ways:

- (i) Plants and animals within a particular physical environment is linked by a flow of materials through the non-living as well as the living sections of the system.
- (ii) All plants, animals and human beings depend on their immediate surroundings.
- (iii) They are interdependent on each other also. That is, the relation among the living organisms as well as the relations between the organism and their surroundings.
- (iv) This dependence and interdependence makes them to fulfill the requirements of each other.

Q3. Human activities are adversely affecting our environment. Why and How?

Ans. 3:- Human activities are adversely affecting our environment in following ways:

- (i) With the passage of time the needs of people grew and became more varied.
- (ii) People started to live a settled life, barter system emerged, trade and commerce developed and the industrial revolution came into existence.
- (iii) People began to exploit natural resources at an alarming rate.
- (iv) Environmental degradation has occurred mainly in the last few decades due to rapid economic development.
- (v) It is globally recognized that certain human activities like burning of fossil fuels for example, petroleum, gas and coal in motor vehicles and industries have resulted in raising the mean temperature of the earth. This is known as global warming.

V. Match the following:

Column A	Column B
1. Global Warming	1. Rising temperature
2. Rain Forests	2. Natural environment
3. Aquarium	3. Artificial ecosystem
4. Human	4. Biotic environment
5. Land	5. Abiotic environment