SUBJECT-G.SC

Lesson – 7

Interdependence In Living Beings, Plants And Animals

1. Tick (√) the correct answer:-

a) The gas green plants use for photosynthesis is

Ans ii. Carbon-dioxide

b) Primary consumers are

Ans i. Herbivores

c) All food chains begin with

Ans i. Green plants

d) The ultimate source of energy on the earth is

Ans i. Sun

e) Nutrients are returned into the soil by

Ans i. Decomposers

2. Give two examples of each:-

a. Herbivores Cow Goat

b. Carnivores Lion Tiger

c. Omnivores Crow Dog

d. Scavengers Vulture Hyena

e. Decomposers Bacteria Fungi

3. Write True or False:-

a. Animals help in seed dispersal. True

b. Plants use oxygen for photosynthesis. False

c. Green plants are called consumers. False

d. A balance is essential between plants and animals. True

e. Carnivores are secondary consumers. True

4. Answer the following questions:-

a. Distinguish between producers and consumers.

Ans. Producers:- Green plants that prepare their own food.

Consumers:- Animals and humans that depend directly or indirectly on plants for food.

b. What is a food chain? Give an example.

Ans. The chain in which there is a flow of energy from producers to decomposers.

For eg:- Grass → Deer→ Lion

c. What will happen if all carnivores are removed from the food chain?

Ans. Population of herbivores will increase causing decrease in number of plants on Earth.

d. List the causes of imbalance in nature.

Ans. Cutting trees, forest fires, hunting animals.

e. How are plants and animals interdependent?

Ans. Animals directly or indirectly depend on plants for food.

Plants get carbon-dioxide from animals to make food.

LESSON – 8

SOUND AND NOISE

1. Tick (√) the correct answer:-

a. An example of a pleasant sound is

Ans. ii. Chirping birds

b. We can recognize the sound of

Ans. iv. All of them

c. A vehicle that gives warning sound is

Ans. i. ambulance

d. Home appliances that cause noise pollution are

Ans. iii. Both i. and ii.

e. Noise pollution causes

Ans. ii. Blood pressure

2. Give two examples of each.

a. Pleasant sounds **chirping birds** **soft music**

b. Unpleasant sounds **honking horns** **barking dogs**

c. Effects of noise pollution **fatigue** **blood pressure**

on health

d. Musical instruments **flute** **piano**

3. Write True or False.

a. Sound is produced only by living things. **False**

b. Fire engine produces warning sound. **True**

c. Music produces pleasant sound. **True**

d. Noise pollution has no effect on our health. **False**

4. Answer the following questions.

a. Define (i) Noise (ii) Music

Ans. Noise:- A sound which is not pleasing to the ears.

Music:- A melodious sound that creates a pleasant sensation to the ears.

b. What is noise pollution?

Ans. Disturbance produced in the environment by loud or harsh sound from various sources.

c. List the effects of noise pollution.

Ans. Noise pollution can cause blood pressure, fatigue, temporary or permanent deafness.

d. How can noise pollution be reduced?

Ans. Noise pollution can be reduced by planting trees, minimizing the use of horns in vehicles, using silencing devices in vehicles, industrial machine etc.

e. Write some causes of noise pollution.

Ans. Noise pollution is produced by industries, vehicles, household equipments, fire crackers etc.

Lesson – 9

Work and Energy

1. Tick (√) the correct answer.

a. The energy of the sun is called

Ans.iv. Solar energy

b. An example of a renewable source of energy is

Ans.iii. Blowing wind

c. Energy used by plants to prepare food is called

Ans.i. solar energy

d. An example of a fossil fuel is

Ans.iii. Coal

2. Write True or False.

a. Fossil fuels take millions of years to be formed.
True

b. Hydro energy is used to move wind mills.
False

c. Chemical energy is present in food.
True

d. Electrical energy is used to run fans and lights.
True

e. A dry cell has chemical energy stored in it.
True

3. Fill in the blanks.

a. To do work, we require **energy**.

b. Plants use **solar** energy to prepare their own food.

c. **Wind** energy is used to move wind mills.

d. **Coal** and **petroleum** are examples of fossil fuels.

e. **Hydro** energy is used to produce electricity in hydro power stations.

4. Answer the following questions briefly.

a. What are renewable sources of energy?

Ans. Energy given by nature that are present in unlimited amount are called renewable sources of energy. For ex. Solar energy, wind energy etc.

b. Why should we use fossil fuels judiciously?

Ans.Because they take millions of years to be formed.

c. Why are coal and petroleum said to be non-renewable sources of energy?

Ans.Because they take millions of years to be formed.

d. Give three examples of conversion of energy.

Ans.i) Electric bulb:- Electric energy to Light energy.

ii) Door bell:- Electric energy to Sound energy.

iii) Dry cell:- Chemical energy to Electrical energy.

e. Define (i) Energy (ii) Fossil fuels.

Ans. Energy:- The ability to do work.

Fossil fuels:- Fuels obtained from the dead remains of plants and animals that got buried millions of years ago under earth.

f. When is work said to be done according to science?

Ans. Work is said to be done only if an object changes its position due to the force used on it.