



## ASSIGNMENT NO.6

**SUBJECT: SCIENCE**

**CLASS-VII**

**DEC,2025**

### Chapter 12: Forest our Lifeline

**1. In each of the following questions, two statements are given one labeled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:**

- a) Both A and R are true, and R is correct explanation of the assertion.
- b) Both A and R are true, but R is not the correct explanation of the assertion.
- c) A is true, but R is false.
- d) Both assertion and reason are false.

**1. Assertion (A):** Forests help maintain the water cycle.

**Reason (R):** Trees absorb rainwater and release it back into the atmosphere through transpiration.

**2. Assertion (A):** Forests are home to a wide variety of animals.

**Reason (R):** Forests provide food, shelter, and suitable climatic conditions to animals.

**3. Assertion (A):** Forests are called the “green lungs” of the Earth.

**Reason (R):** Forests release a large amount of oxygen during respiration.

**4. Assertion (A):** Decomposers play an important role in forests.

**Reason (R):** They help in recycling nutrients back into the soil.

**5. Assertion (A):** Herbivores depend directly on plants for their food.

**Reason (R):** Herbivores have strong sharp teeth to tear meat.

### 2. Answer the following case study based question.

A large forest near Sundar Village provides food, shelter, and livelihood to the people living around it. Villagers collect honey, fruits, herbs, and firewood without harming the forest. Recently, a company proposed cutting a big area of the forest to make a road for transportation.

Some villagers supported the plan because they thought the road would bring jobs. However, others warned that removing trees would disturb wildlife, reduce rainfall, and cause soil erosion. Forest officers conducted a survey and found that the forest had many layers of vegetation, a variety of animals, and rich soil full of decomposers like fungi and worms. They explained that the forest acts as a protective shield for the village.

1. Why is the forest important for the villagers?
2. What could be the harmful effect of cutting trees for the road?
3. Why did the forest officers highlight the presence of decomposers?
4. What does this case show about the relationship between forests and people?