

**NOIDA PUBLIC SCHOOL**  
**SUBJECT - SCIENCE, CLASS - VII**  
**ASSIGNMENT -1**

Q1. Consider the following plants:-

Yeast , Bryophyllum , Spirogyra, Rose, Fern, sweet potato. Which of these plants is reproduced:-

- a. By cutting ?
- b. By roots ?
- c. By Budding ?
- d. By fragmentation?
- e. By spores?

Q2. The flask shaped organ X at the center of the flowers is surrounded by a number of little stalks Y having swollen tops which lie just inside the rings of petals.

- a. Name the organ X and Y
- b. Which part of organ X contains gametes?
- c. What does the swollen top of organ Y contain?
- d. Out of X and Y, which one is the female part of flower?

Q3. The substance W is necessary for the normal growth and development of all types of plants and animals. An acute scarcity of substance W has an ill effect on plants which can hinder the natural process X in plants causing a severe shortage of Y leading to famine. It may also lead to shortage of Z which is essential for breathing and respiration. What could W, X, Y and Z be?

Q4. The water bearing layer of earth called P is made up of two components Q and R in which water collects under the ground. The top level of layer P is called S. When too many tube wells are used in an area, the level of S in that area goes down. What are P, Q, R and S?

Q5. Consider the following organisms F be?

Birds, Mushroom, Crow, Grass, Tiger, Vulture, Frog, Toadstool, Ape, Insects, Deer

Which of these organisms:-

- a. Can eat the dead animals?
- b. Can decompose dead animals?
- c. Can pollinate the flower?
- d. Can form a three step food chain which occurs in the forest?

Q6. The organisms A and B occur on the forest floor. They convert the dead parts of forest plants and dead bodies of forest animals into simple substances such as C, D and E which can be reused by organisms F for their growth and development.

- a. What could be organisms A and B?
- b. What is the general name of organisms like A and B?
- c. What are C, D, E and F?

Q7. X and Y are the two types of organisms which are found in forest. Both types of organisms are considered to be the cleansing agents of the forest environment in their own way. The organisms like X eat up the dead animals in the forest whereas the organisms like Y break down the dead animals into simple substances which can be reused for growth of plants.

- a. What are the general names of organisms like X?
- b. Name one organism like X.
- c. What is the general name of organisms like Y?
- d. Name one organism like Y?