

**DELHI PUBLIC SCHOOL, JAMMU**  
**SESSION (2024-2025)**  
**ASSIGNMENT-2**

**Class – VII**

**Subject – Science**

**Topic:** Reproduction in Plants.

Physical and Chemical changes.

Electric current and its effects.

**Q1.** Which among the following is correctly matched pair: (1)

- a. Fragmentation: Spirogyra
- b. Fragmentation: Ferns.
- c. Budding: Mosses.
- d. Spore formation: yeast.

**Q2.** Which of the following is an example of chemical change? (1)

- a. Baking of cake.      b. melting of ice.      c. Rusting of iron objects.      d. Both (a) and (c)

**Q3)** Which of these appliances converts electricity into heat? (1)

- a. Fan and Iron.      b. Electric iron and Geyser.      c. Cell phone and Iron      d. Electric bell and Television.

**Q4.** In the following question, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

**a)** Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).

**b)** Both assertion (A) and reason (R) are true but (R) is not the correct explanation of (A).

**c)** Assertion (A) is true but reason (R) is false.

**d)** Assertion (A) is false but reason (R) is true.

i) Assertion (A): A flower may either have male or female part. (1)

Reason (R): A flower having both male and female parts is called bisexual flowers.

ii) Assertion (A): Fuse is a safety device which prevents damages to electrical circuits and possible fires. (1)

Reason (R): The fuse wire blows off and breaks the circuit and prevents fire and damage.

iii) Assertion (A): Evolution of gas is confirmed sign of physical change. (1)

Reason (R): Hydrogen gas is evolved on reaction of acids on metals.

**Q5.** Which one is useful an electromagnet or a permanent magnet? Give a reason for your choice. (2)

**Q6.** Define a) Resistance. b) Overloading.. (2)

**Q7.** Why is magnesium ribbon cleaned with sand paper? What will happen if it is not done? (2)

**Q8.** Why is dispersal of seeds essential for plants? (2)

**Q9.** Define fertilization. Draw a well labeled diagram of fertilization in flower. (3)

**Q10.** Draw a diagram of an electric bell and explain its working. (3)