

**MULTIPLE CHOICE QUESTIONS**

1. Which one shows lateral inversion?

- (a) Plane mirror
- (b) Convex mirror
- (c) Concave mirror
- (d) All of these

2. If an object is placed at a distance of 0.5 m in front of a plane mirror, the distance between the object and the image formed by the mirror will be

- (a) 2 m
- (b) 1 m
- (c) 0.5 m
- (d) 0.25 m

3. Plants produced by vegetative propagation take

- (a) long time to grow
- (b) less time to grow
- (c) both (a) and (b)
- (d) none of these

4. Part of the plant that take part in sexual reproduction is

- (a) seed
- (b) fruit
- (c) flower
- (d) branch

5. Which of the following is a part of inorganic impurities of the sewage?

- (a) Pesticides
- (b) Urea
- (c) Phosphates
- (d) Vegetable waste

**II. Case study**

Stamens are the male reproductive part and pistil is the female reproductive part. Flowers which contain either only pistil or only stamens are called unisexual flowers. Flowers which contain both stamens and pistil are called bisexual flowers. Corn, papaya and cucumber produce unisexual flowers, whereas mustard, rose and petunia have bisexual flowers. Both male and female unisexual flowers maybe present in the same plant or indifferent plants. Anther contains pollen grains which produce male gametes. A pistil consists of stigma, style and ovary. Ovary contains one or more ovules. The female gamete or the egg is formed in an ovule. In sexual reproduction a male and a female gamete fuse to form a zygote.

Que. 1) Pistil is the.....reproductive part and stamen is the.....reproductive part of flower.

- (a) Female, male
- (b) Male, female
- (c) Male, male
- (d) Male, ovule

Que. 2) Papaya produces which type of flowers?

- a) Hermaphrodite
- (b) Unisexual
- (c) Bisexual
- (d) No flower

**Que. 3) Where is female gamete formed?**

**(a) Stamen**

**(b) Pistil**

**c) Ovule**

**(d) Ovum**

**Que. 4) How a zygote is formed in sexual reproduction?**

**Que. 5) What is the composition of pistil?**

**Answer the following questions**

**1. Mention that the significance of vegetative propagation.**

**2. What are the different ways of seed dispersal?**

**3. Which mirror is used as dentist mirror?**

**4. State the characteristics of the image formed by a plane mirror.**

**5. Why is the convex mirror used as a rear view mirror?**