

Board – ICSE

Class- 8

Topic – REPRODUCTION IN PLANTS

1. Multiple choice questions: Tick the correct choice.

- Hydra reproduces asexually by a process called
 - fertilization
 - budding
 - binary fission
 - encystment
- The number of organisms produced by binary fission are
 - two
 - three
 - four
 - innumerable
- Which of these can be reproduced by its stem?
 - Carrot
 - Bryophyllum
 - Rose
 - Papaya
- Pollen is produced in the;
 - Filament
 - Style
 - Pistil
 - Anther

2. What is meant by pollination? Explain the structure of a germinating pollen grain with the help of a labeled diagram?

3. With the help of suitable diagrams, describe;

- Binary fission in Plants
- Budding in yeast cell

4. Fill in the blanks

- Budding produces cells of _____ size.
- Fungi, ferns and mosses reproduce by _____.
- Male sex cells in plants are called _____.
- The small outgrowth arising from the yeast cell is called a _____.
- Fruit is a _____ ovary.

5. Which of the following statements are true (T) and which ones are false (F)?

Mark T or F:

- Stamens make egg cells.
- A fertilised egg becomes of seed.
- Flowers which possess stamens and carpel are called unisexual.
- Insect-pollinated flowers are brightly coloured.
- Wind-pollinated flowers produce pollen grains in large quantity.

- (vi) Fruit is a ripened ovary.
 - (vii) Carpels are collectively called as gynoecium and are the female parts of the flower.
 - (viii) The union of two special cells, the gametes, is known as fertilization.
 - (ix) Amoeba is an immortal animal.
 - (x) Hydra reproduces asexually by binary fission.
- 6.** What is meant by vegetative propagation?
- 7.** Difference between sexual and asexual reproduction?
- 8.** Distinguish between Self-Pollination and Cross-Pollination?
- 9.** Distinguish between Budding and Binary Fission?
- 10.** What do you mean by artificial fertilization?
- 11.** What is a flower? Draw a neat labeled diagram showing the L.S of a typical flower?
- 12.** Mention the functions of the following:
- 1. Flower:
 - 2. Ovary: Anther:
 - 3. Stigma:
- 13.** Fill in the blanks.
- a) Budding is a kind of _____ reproduction.
 - b) The amount of cytoplasm in the parent cell is _____ than the amount in the bud.
 - c) Yeast cells reproduce by _____.
 - d) Amoeba reproduces by _____.
 - e) Binary fission produces cells of _____ size.