

## CLASS VII – SCIENCE – CHAPTER 08

### REPRODUCTION IN PLANTS

Name:

Date:

**Q01.** Reproductive part of a plant is the

- (a). Root                      (b). Flower                      (c). Stem                      (d). Leaf

**Q02.** The process of fusion of the female and male gamete is called

- (a). Fertilization              (b). Seed formation              (c). Reproduction              (d). Layering

**Q03.** In flowering plants, male gamete is formed inside

- (a). Anther                      (b). Ovary                      (c). Ovule                      (d). Pistil

**Q04.** Mature ovary forms the

- (a). Seed                      (b). Pistil                      (c). Fruit                      (d). Stamen

**Q05.** Reproduction in Bryophyllum takes place by its

- (a). Root                      (b). Stem                      (c). Leaf                      (d). Flower

**Q06.** Female reproductive part of flower is

- (a). Sepals                      (b). Petals                      (c). Stamen                      (d). Carpel

**Q07.** Which of the following organism reproduce by budding?

- (a). Bacteria                      (b). Yeast                      (c). Bread mold                      (d). Opuntia

**Q08.** Transfer of pollen grain from anther to stigma is called

- (a). Fertilization              (b). Hybridization              (c). Pollination              (d). Syngamy

**Q09.** Binary fission do not takes place in

- (a). Amoeba                      (b). Paramecium                      (c). Yeast                      (d). Bacteria

**Q10.** Which one is a dicotyledonous plant?

- (a). Banana                      (b). Sugar cane                      (c). Gram                      (d). Wheat

**Q11.** The mode of vegetative reproduction in which scion and stock are tied is called

- (a). Grafting                      (b). Cutting                      (c). Layering                      (d). Tissue culture

**Q12.** Fertilization is

- (a). Fusion of male gametes                      (b). Fusion of female gametes  
(c). Fusion of male and female gametes                      (d). All of above.

**Q01.** Fill in the blanks with suitable words.

- (a). Binary fission is seen in \_\_\_\_\_.
- (b). The male reproductive part of flower is \_\_\_\_\_.
- (c). Pollen grain falls on \_\_\_\_\_ of pistil.
- (d). \_\_\_\_\_ is ripened ovary.
- (e). Potato is a modified \_\_\_\_\_.
- (f). \_\_\_\_\_ develops into a new plants.
- (g). \_\_\_\_\_ is the outermost part of the fruit.
- (h). Yeasts reproduce by \_\_\_\_\_.
- (i). Fusion of two gametes is called \_\_\_\_\_.
- (j). Fruit is generally ripened \_\_\_\_\_.

**Q02.** Write T for true and F for false statements.

- (a). Bacteria reproduce asexually by binary fission.
- (b). Potato used a vegetable is modified root.
- (c). Female gametes in plants are produced inside ovary.
- (d). Shoot system emerges from radicle.
- (e). Bryophyllum reproduce by leaf.

**Q03.** Match the following

**Column A**

- (a). Stems
- (b). Spores
- (c). Bud
- (d). Wings
- (e). Eyes

**Column B**

- i. Maple
- ii. yeast
- iii. potato
- iv. Rose
- v. Bread mold

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### Column A

- (a). Cutting
- (b). Grafting
- (c). Layering
- (d). Tissue culture
- (e). Budding

### Column B

- i. Hydra
- ii. Orchids
- iii. Sugar cane
- iv. Grapes
- v. Jasmine

### Column A

- (a). Plumule
- (b). Radicle
- (c). Pericarp
- (d). Sexual reproduction
- (e). Asexual reproduction

### Column B

- i. Root system
- ii. Shoot system
- iii. Single parent
- iv. Wall of ovary
- v. Two parents

**Q04.** What is pollination? Name two types of pollination.

**Q05.** What is vegetative reproduction? Write its advantage.

**Q06.** Write difference between asexual and sexual reproduction?

**Q07.** Define reproduction? Name the type of reproduction in which two parents are involved.

**Q08.** What is fertilization? Where fertilization takes place in plants?

**Q09.** Write difference between self and cross pollination?

**Q10.** What is dispersal of seed? Why it is necessary?

**Q11.** Write the functions of fruit?

**Q12.** Write difference between cutting and grafting?

**Q13.** Name the type asexual reproduction in following organisms.

- (a). Yeast      (b). Bread mold      (c). Rose      (d). Banana      (e). Bacteria

**Q14.** Classify the following as monocotyledons and dicotyledonous plants.

Gram, pea, rice, wheat, banana, guava, rose, maize.