

EXERCISE # 1

A. Single Choice Type Questions

- Q.1** A method in which roots are initiated on the stem while still attached with the parent plant is called -
 (A) grafting (B) budding
 (C) layering (D) tissue culture
- Q.2** Hydra reproduces by -
 (A) budding (B) spore formation
 (C) binary fission (D) fragmentation
- Q.3** Pollen grains are produced in -
 (A) anther (B) filament
 (C) stigma (D) style
- Q.4** Seeds in a matured ovary develop from -
 (A) ovule (B) stigma
 (C) ovum (D) pollen grains
- Q.5** Seeds and fruits dispersed by wind have -
 (A) wings (B) hairs
 (C) censer mechanism (D) all of these
- Q.6** Ferns, mosses, lichen and fungi reproduce through -
 (A) spore formation (B) binary fission
 (C) budding (D) fragmentation
- Q.7** Bougainvillea grow from -
 (A) cutting (B) grafting
 (C) layering (D) none of these
- Q.8** A plant can be grown from tissue-culture is -
 (A) orchid (B) pear
 (C) grapevine (D) cherry
- Q.9** Stigma, style and ovary are the parts of -
 (A) androecium (B) gynoecium
 (C) anther (D) sepals

Q.10 Which does not belong to bisexual flower ?

- (A) mustard (B) rose
 (C) petunia (D) papaya

B. Fill in the blank

- Q.11** Yeast reproduces by
- Q.12** Two kinds of pollination are and
- Q.13** On fertilization, ovary is transformed into
- Q.14** Some common methods of asexual reproduction are and
- Q.15** Transfer of pollens from to is called pollination.

C. Match the Column

- | Column A | Column B |
|-----------------------|-----------------|
| Q.16 (1) Tuber | (a) Bryophyllum |
| (2) Bulb | (b) Potato |
| (3) Rhizome | (c) Onion |
| (4) Corm | (d) Ginger |
| (5) Leaves | (e) Colocasia |
| | (f) Rose |

EXERCISE # 2

A. Very Short Answer Types Questions

- Q.1** Name four forms of stems which can propagate vegetatively.
- Q.2** How is bryophyllum plant propagated ?
- Q.3** Which method is used to propagate begonia plant ?
- Q.4** Name two plants which store food in their roots and also reproduce vegetatively.
- Q.5** Give two examples of tubers.
- Q.6** name two organisms which reproduce by budding.
- Q.7** Name a plant which reproduce by spores.
- Q.8** What is the mode of reproduction in spirogyra ?
- Q.9** What is the name of male and female parts of a flower ?
- Q.10** Name one plant whose fruits have a fibrous coat which makes them float in water.

B. Short Answer Types Questions

- Q.11** What is a zygote and how is it formed ?
- Q.12** Write two characteristics of insect pollinated flowers.
- Q.13** What is tissue culture ?
- Q.14** Name the male and female reproductive parts of a flower.
- Q.15** What is the significance of dispersal of seeds and fruits ?
- Q.16** What is the function of pollens in flowering plants ?

- Q.17** Give two advantages of vegetative propagation.

C. Long Answer Types Questions

- Q.18** Explain how budding sometimes results in a chain of cells in yeast.
- Q.19** Why are artificial vegetative reproductive methods so commonly used nowadays ?
- Q.20** What is the main difference between asexual and sexual reproduction ?
- Q.21** Make a labelled diagram of the flower showing reproductive parts in it.
- Q.22** How is fertilization brought about in a flower ?
- Q.23** Explain the following terms :
 (a) Fertilization (b) Pollination
 (c) Zygote (d) Budding
- Q.24** What do you understand by fertilization ? Explain it with a neat and well-labelled diagram.