

Model Question paper
Reproduction Biology (B) 1

11th Standard

Biology

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:30:00 Hrs

Total Marks : 50

10 x 1 = 10

Part - A

- 1) In Hibiscus vegetative reproduction takes places by
(a) stem (b) bud (c) rhizome (d) leaf
- 2) The plant which propagates with the help of its leaves is.....
(a) onion (b) cactus (c) potato (d) Bryophyllum
- 3) The embryo sac in a typical angiosperm at the time of fertilization is...
(a) 8 celled (b) 6 celled (c) 7 celled (d) 5 celled
- 4) Micropyle occurs in...
(a) Ovary (b) Seeds (c) Ovule (d) Both a and c
- 5) The micropyle in a seed helps in the entry of...
(a) Water (b) Male gamete (c) Pollen tube (d) None of these
- 6) Fragrant flowers with well-developed nectaries are an adaptation for
(a) Zoophily (b) Entomophily (c) Anemophily (d) Hydrophily
- 7) Hypohydrophily occurs in.....
(a) Vallisneria (b) Ceratophyllum (c) Hydrilla (d) All the above
- 8) Tuberous roots are seen in
(a) Rhizome (b) Corm (c) Oxalis (d) Dahlia
- 9) The fleshy buds that develop in aquatic plants for vegetative propagation are called
(a) Turions (b) Bulbils (c) Stolon (d) Gemmae
- 10) The sub-aerial stem that is known as condensed runner is
(a) Stolon (b) Sucker (c) Offset (d) Bulb

Part - B

12 x 2 = 24

- 11) What is grafting?
- 12) What is Bulbil?
- 13) Differentiate between the stolon and sucker.
- 14) Define triple fusion. What is the product of this process?
- 15) Define: Totipotency.
- 16) What is meant by tegmen?
- 17) Name the different types of pollination.
- 18) Differentiate dicot seed from monocot seed.
- 19) Give the characteristics of insect pollinated flowers.
- 20) What is meant by Anemophily?
- 21) What is offset? Give examples.
- 22) What is Herkogamy?

Part - C

2 x 3 = 6

- 23) Discuss the significance of vegetative propagation?
- 24) What is the vegetative propagation?

Part - D

2 x 5 = 10

- 25) Give an account of different types of pollination found in Angiosperms.
- 26) Describe the epigeal type of seed germination.
