

Model Question paper
Plant Morphology(B) 2

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 : 55

10 x 1 = 10

- 1) Timorous flowers are common among
(a) Dicots (b) Xerophytes (c) Monocots (d) Gymnosperms
- 2) When anthers have two chambers, they are described as
(a) Dioecious (b) Dithecous (c) Diadelphous (d) Dimorphic
- 3) Seeds are produced from the
(a) ovary (b) carples (c) ovules (d) locules
- 4) Which is the edible portion in berry?
(a) Epicarp (b) Endocarp (c) Mesocarp (d) All the above
- 5) The type of fruit seen in Jack is
(a) Multiple fruit (b) Syconium (c) Sorosis (d) Aggregate
- 6) The sepals are transformed into large, yellow or white leafy structure in.....
(a) Hibiscus (b) Mussaenda frondosa (c) Tridax (d) Clitoria
- 7) In physalis, the calyx is of this type.....
(a) Accrescent (b) presistent (c) Deciduous (d) Caducous
- 8) Papilionaceous Corolla is seen in.....
(a) Habernaria (b) Pea (c) Radish (d) Wild rose
- 9) A flower which can be cut into equal halves only through one particular plane.....
(a) Actinomorphic (b) Zygomorphic (c) Polygamous (d) Perianth
- 10) A type of simple fleshy fruit is.....
(a) Drupe (b) Legume (c) Caryopsis (d) Sorosis

Part - A

10 x 2 = 20

- 11) What is a bisexual flower?
- 12) What is meant by monadelphous stamens?
- 13) What are the three groups of fruits?
- 14) What are the two processes necessary for the development of fruits?
- 15) What is a legume? Give an example.
- 16) What is pomology?
- 17) What is Berry? Give one example.
- 18) What are dry fruits? mention their types.
- 19) Give an example for each of the following.
(a) Berry, (b) Drupe, (c) Legume (d) caryopsis
- 20) What is endosperm?

Part - B

5 x 3 = 15

- 21) Describe the pitcher plant.
- 22) Explain hypogynous and epigynous flowers with examples.
- 23) Describe the aggregate fruit with a suitable example.
- 24) Bring out the essential difference in two structure of a dicot and monocot seed by means of labelled diagram only.
- 25) How the symmetry of a flower is determined? Briefly describe the different types of symmetry seen in flower.

Part - C

2 x 5 = 10

- 26) Explain different types of fleshy fruits with suitable examples.
- 27) Give outline classification of fruits.
