

Model Question paper
Plant Morphology(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 : 55

10 x 1 = 10

Part - A

- 1) The type of phyllotaxy found in Calotropis is
(a) alternate (b) opposite decussate (c) opposite superposed (d) ternate
- 2) Dorstenia an example for
(a) Raceme (b) Panicle (c) Spadix (d) Coenanthium
- 3) Musa in an example for
(a) Spadix (b) Mixed Spadix (c) Compound spadix (d) None of the above
- 4) The most conspicuous and characteristic structure of Angiosperm is
(a) flower (b) seeds (c) fruits (d) leaves
- 5) A flower is said to be complete when it has
(a) one whorl (b) three whorls (c) two whorls (d) four whorls
- 6) The plant structure that is positively geotropic and negatively phototropic is
(a) stem (b) leaves (c) root (d) flowers
- 7) The cells activity divide and increase in number in.....
(a) root cap (b) meristematic zone (c) elongation zone (d) cell differentiation zone
- 8) respiratory roots are present in
(a) vanda (b) avicennia (c) rhizome (d) any part fo the plant
- 9) Which of the following is a parasitic plant?
(a) Vanda (b) Orchid (c) Cuscutta (d) Avicennia
- 10) In Opuntia, the stem is modified into.....
(a) phyllode (b) cladode (c) phylloclade (d) tendril

Part - B

10 x 2 = 20

- 11) Name any two vegetative organs/reproductive organs of a flowering plant.
- 12) What is an epiphyllous bud?
- 13) Define Hypanthodium.
- 14) Define Involucre.
- 15) What are monoecious plants?
- 16) What are Angiosperms?
- 17) What is Velamen?
- 18) Define venation.
- 19) What is a flower?
- 20) What are the functions of calyx?

Part - C

5 x 3 = 15

- 21) Describe the different types of mixed inflorescence with examples.
- 22) Classify cymose inflorescence and explain any two of them.
- 23) Describe the two types of root system with suitable examples.
- 24) Write about the function of roots?
- 25) Describe Phyllode/phyloclade.

Part - D

2 x 5 = 10

- 26) Describe the various types of cymose inflorescence.
- 27) What are the evidence to show that a flower is a modified shoot?
