



Time: 1.30 Hrs.

Standard 11**BIOLOGY**

Marks: 35

BIO - BOTANY

Marks: 17

SECTION - I**I. Choose the correct answer:**

2×1=2

- 1) Which of the following represents gametophytic generation in pteridophytes?
a) Prothallus b) Thallus c) Cone d) Rhizosphere
- 2) Bryophyllum and Dioscorea are example for
a) Foliarbud, Apical bud b) Foliar bud, Cauline bud
c) Cauline bud, Apical bud d) Cauline bud, Foliar bud

SECTION - II**II. Answer ANY TWO of the following:**

2×2=4

- 3) Differentiate hemoiomorous and heteromorous lichens.
- 4) What is plectostele? Give example.
- 5) Write the function of leaf.

SECTION - III**III. Answer ANY TWO of the following:**

2×3=6

- 6) What is mycorrhizae? Name its types.
- 7) Write short notes on Respiratory Root.
- 8) Differentiate between Gymnosperm and Angiosperm.

SECTION - IV**IV. Answer the following:**

1×5=5

- 9) Write the distinguishing features of words monera?

(OR)

Write the Taproot modification.

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SECTION - I**Answer all the questions:**

3×1=3

- 1) Who proposed three domain classification?
a) Ernst Haeckel b) Carl Woese c) R.H. Whittaker d) John Ray
- 2) Which enzyme digests starch in food?
a) Lipase b) Pepsin c) Amylase d) Lactase

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3) The number of hepatic caecae in cockroach is

a) 6

b) 8

c) 10

d) 12

SECTION - II

Answer ANY TWO of the following questions:

2×2=4

- 4) What are extremophiles.
- 5) Differentiate white adipose tissue from Brown adipose tissue.
- 6) Why do we call cockroach a vector?

SECTION - III

Answer ANY TWO of the following questions:

2×3=6

Question No. 9 is compulsory.

- 7) Write the Economic importance of frog.
- 8) Compare Schizocoelom with enterocoelom.
- 9) What is chloragogen cells? State its functions.

SECTION - IV

Answer the following question:

1×5=5

- 10) Explain the distinct features of chordates with a neat labelled diagram.

(OR)

List the functions of Human Liver.
