



SHIKSHA CLASSES

Subject : Biology

Question Paper

Total Marks :25

Class : XI

3 : Kingdom Plantae

Time : 1 Hour

SECTION A

Q.1 : Choose the correct option : 4

- i) The tallest living gymnosperm among the following is
- a) Sequoia sempervirens
 - b) Taxodium mucronatum
 - c) Zamia pygmaea
 - d) Ginkgo biloba
- ii) In Chlamydomonas, pyrenoid is located in
- a) nucleus b) mitochondria
 - c) Chloroplast d) flagella
- iii) Endophytic fungi or mycorrhizae are found in the roots of
- a) Cycas b) Pinus
 - c) Equisetum d) Hibiscus
- iv) Angiosperms differ from gymnosperms in having
- a) Vessels in wood b) Mode of nutrition
 - c) Siphonogamy d) Enclosed seed

Q.2 : Answer the following : 2

- i) What are Hornworts?
- ii) What are Phanerogams?

SECTION B

: Answer the following : (ANY 3) 6

- Q.3 :** Write short note on Chlorophyceae.
- Q.4 :** Give economic importance of Bryophytes.
- Q.5 :** Draw a neat and labelled diagram of Nephrolepis.
- Q.6 :** Girth of a maize plant does not increase over a period of time. Justify.
- Q.7 :** Write short note on Haplontic life cycle.

SECTION C

: Answer the following : (ANY 3) 9

- Q.8 :** Differentiate between Dicotyledonae and Monocotyledonae based on the following characters.
- i) Types of roots ii) Venation in the leaves
 - iii) Symmetry of flower
- Q.9 :** Distinguish between Bryophyta and Pteridophyta
- Q.10 :** Explain in detail the two stages of gametophytic phase in life cycle of mosses.
- Q.11 :** Draw neat and labelled diagram of Funaria.
- Q.12 :** Draw neat and labelled diagram of Spirogyra.

SECTION D

: Answer the following : (ANY 1) 4

- Q.13 :** Which group of plant is known as first vascular and true land plants? Write their characteristics in detail.
- Q.14 :** Give general characters of Gymnosperms.

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