

Chapter – 3 | Plant Kingdom

QUIZ PART-06

1. The word gymnosperm means:

- A. Covered seed
- B. Naked seed
- C. Flowering plant
- D. Water plant (B)

Explanation : Gymnos means naked and sperma means seed.

2. In gymnosperms, ovules are:

- A. Covered by ovary wall
- B. Not covered by ovary wall
- C. Present inside fruits only
- D. Absent completely (B)

Explanation : Gymnosperm ovules are not covered by the ovary wall.

3. One of the tallest gymnosperm trees is:

- A. Wolffia
- B. Sequoia
- C. Chlorella
- D. Marchantia (B)

Explanation : Sequoia, the giant redwood tree, is a tall gymnosperm.

4. Mycorrhizal association is found in the roots of:

- A. Pinus
- B. Cycas
- C. Volvox
- D. Funaria (A)

Explanation : Pinus roots show fungal association called mycorrhiza.

5. Coralloid roots associated with nitrogen-fixing cyanobacteria are found in:

- A. Cycas
- B. Pinus
- C. Cedrus
- D. Ginkgo (A)

Explanation : Cycas has coralloid roots associated with nitrogen-fixing cyanobacteria.

6. Needle-like leaves in conifers help in:

- A. Increasing water loss
- B. Reducing surface area and water loss
- C. Producing fruits
- D. Forming spores directly (B)

Explanation : Needle-like leaves reduce surface area and help reduce water loss.

7. Gymnosperms are:

- A. Homosporous
- B. Heterosporous
- C. Non-vascular
- D. Thalloid (B)

Explanation : Gymnosperms produce two types of spores: microspores and megaspores.

8. The reduced male gametophyte in gymnosperms is called:

- A. Gemma
- B. Pollen grain
- C. Protonema
- D. Prothallus (B)

Explanation : Microspores develop into pollen grains, which are reduced male gametophytes.

9. Angiosperms are also known as:

- A. Flowering plants
- B. Naked seed plants
- C. Brown algae
- D. Mosses (A)

Explanation : Angiosperms are flowering plants.

10. Angiosperms are divided into:

- A. Liverworts and mosses
- B. Monocotyledons and dicotyledons
- C. Homosporous and heterosporous plants
- D. Green and red algae (B)

Explanation : Angiosperms are divided into monocotyledonous and dicotyledonous plants.