

Chapter – 3 | Plant Kingdom

QUIZ PART-05

1. Pteridophytes are the first terrestrial plants to possess:

- A. Flowers and fruits
- B. Vascular tissues
- C. Naked seeds
- D. Gemma cups (B)

Explanation : Pteridophytes are the first land plants with vascular tissues, xylem and phloem.

2. Pteridophytes include:

- A. Horsetails and ferns
- B. Mosses and liverworts
- C. Red algae and green algae
- D. Monocots and dicots (A)

Explanation : Horsetails and ferns are included in pteridophytes.

3. The main plant body of pteridophytes is:

- A. Gametophyte
- B. Sporophyte
- C. Protonema
- D. Pollen grain (B)

Explanation : In pteridophytes, the main plant body is sporophyte.

4. Pteridophyte sporophyte is differentiated into:

- A. Thallus only
- B. True root, stem and leaves
- C. Flower and fruit
- D. Seed and cotyledon (B)

Explanation : Pteridophytes have true root, stem and leaves.

5. Small leaves in pteridophytes are called:

- A. Macrophylls
- B. Microphylls
- C. Fronds
- D. Gemmae (B)

Explanation : Small leaves are called microphylls, as seen in Selaginella.

6. Large leaves in ferns are called:

- A. Macrophylls
- B. Microspores
- C. Strobili
- D. Rhizoids (A)

Explanation : Ferns have large leaves called macrophylls.

7. Sporangia in pteridophytes are borne on:

- A. Sporophylls
- B. Gemma cups
- C. Ovary wall
- D. Thallus fragments (A)

Explanation : Sporangia are present on leaf-like sporophylls.

8. Prothallus is:

- A. Small, multicellular and photosynthetic
- B. A naked seed
- C. A cone-bearing structure
- D. A type of brown algae (A)

Explanation : Prothallus is a small, multicellular, free-living, photosynthetic gametophyte.

9. Plants producing only one type of spore are called:

- A. Heterosporous
- B. Homosporous
- C. Oogamous
- D. Isogamous (B)

Explanation : Homosporous pteridophytes produce similar kinds of spores.

10. Selaginella and Salvinia are examples of:

- A. Homosporous plants
- B. Heterosporous plants
- C. Red algae
- D. Angiosperms (B)

Explanation : Selaginella and Salvinia produce two types of spores: microspores and megaspores.