

Chapter – 2 | Biological Classification

QUIZ PART-06

1. Ascomycetes are commonly known as:

- A. Club fungi
- B. Sac fungi
- C. Imperfect fungi
- D. Algal fungi (B)

Explanation : Ascomycetes are called sac fungi because their sexual spores (ascospores) are produced inside sac-like structures called asci.

2. Which of the following is a unicellular member of Ascomycetes?

- A. Penicillium
- B. Aspergillus
- C. Saccharomyces
- D. Claviceps (C)

Explanation : Yeast (Saccharomyces) is a rarely unicellular member of Ascomycetes.

3. The mycelium of Ascomycetes is:

- A. Aseptate and coenocytic
- B. Branched and septate
- C. Unbranched and non-septate
- D. Absent (B)

Explanation : Ascomycetes have branched and septate mycelium.

4. In Ascomycetes, conidia are formed:

- A. Endogenously inside ascus
- B. Exogenously on conidiophores
- C. Inside basidium
- D. Inside basidiocarp (B)

Explanation : Conidia are asexual spores formed exogenously on conidiophores made from mycelium.

5. Sexual spores of Ascomycetes are called:

- A. Basidiospores
- B. Zoospores
- C. Ascospores
- D. Conidia (C)

Explanation : Ascospores are sexual spores produced endogenously inside a sac-like ascus.

6. The fruiting bodies of Ascomycetes containing asci are called:

- A. Basidiocarps
- B. Ascocarps
- C. Sporangia
- D. Conidiophores (B)

Explanation : Asci grow in fruiting bodies called ascocarps.

7. Neurospora is widely used in:

- A. Photosynthesis experiments
- B. Biochemical and genetic experiments
- C. Nitrogen fixation
- D. Disease treatment (B)

Explanation : Neurospora is widely used in biochemical and genetic experiments and is known as the Drosophila of the plant kingdom.

8. Basidiomycetes are also called:

- A. Sac fungi
- B. Club fungi
- C. Imperfect fungi
- D. Algal fungi (B)

Explanation : Basidiomycetes are also called club fungi.

9. In Basidiomycetes, four basidiospores are formed due to:

- A. Binary fission
- B. Budding
- C. Karyogamy and meiosis in basidium
- D. Fragmentation (C)

Explanation : Karyogamy and meiosis occur in the basidium, resulting in the formation of four basidiospores.

10. Deuteromycetes are commonly known as:

- A. Perfect fungi
- B. Sac fungi
- C. Imperfect fungi
- D. Club fungi (C)

Explanation : Deuteromycetes are called imperfect fungi because only their asexual or vegetative phase is known.