

S.S.R. DEGREE COLLEGE, (AUTONOMOUS)
NIZAMABAD (C.C:5029)
I SEMESTER INTERNAL ASSESSMENT-II EXAMINATIONS
BOTANY
QUESTION BANK

I. Multiple Choice Questions

1. Which of the following is a fungal disease of plants caused by *Albugo*?
A) Rust B) Smut C) White rust D) Leaf spot
Answer: C) White rust
2. The cell wall of fungi is made up of:
A) Cellulose B) Chitin C) Pectin D) Lignin
Answer: B) Chitin
3. *Mucor* reproduces mainly by:
A) Zoospores B) Aplanospores C) Sporangiospores D) Conidia
Answer: C) Sporangiospores
4. *Penicillium* is known for:
A) Alcohol production B) Antibiotic production C) Food spoilage only
D) Nitrogen fixation
Answer: B) Antibiotic production
5. The body of fungus is called:
A) Mycelium B) Thallus C) Protonema D) Gametophyte
Answer: A) Mycelium
6. Which of the following belongs to Oomycetes?
A) Rhizopus B) Albugo C) Penicillium D) Aspergillus
Answer: B) Albugo
7. Asexual reproduction in fungi occurs by:
A) Binary fission B) Fragmentation C) Spores D) Budding
Answer: C) Spores
8. Sexual reproduction in fungi involves fusion of:
A) Somatic cells B) Gametes C) Hyphae D) Spores
Answer: B) Gametes
9. *Marchantia* belongs to:
A) Algae B) Bryophyta C) Pteridophyta D) Fungi
Answer: B) Bryophyta
10. The dominant phase in the life cycle of *Marchantia* is:
A) Sporophyte B) Gametophyte C) Spore D) Zygote
Answer: B) Gametophyte
11. *Polytrichum* is a:
A) Liverwort B) Moss C) Fern D) Alga
Answer: B) Moss

12. Rhizoids in mosses are:

- A) True roots B) Root hairs C) Filamentous structures for anchorage D) None

Answer: C) Filamentous structures for anchorage

13. The reproductive organ in *Marchantia* is called:

- A) Antheridiophore and Archegoniophore
B) Antheridium only
C) Archegonium only
D) Capsule

Answer: A) Antheridiophore and Archegoniophore

14. Pteridophytes reproduce by:

- A) Seeds B) Spores C) Cones D) None

Answer: B) Spores

15. *Rhynia* is a:

- A) Fossil pteridophyte B) Modern fern C) Moss D) Alga

Answer: A) Fossil pteridophyte

16. *Equisetum* is commonly called:

- A) Club moss B) Horsetail C) Whisk fern D) Stonewort

Answer: B) Horsetail

17. *Marsilea* reproduces by:

- A) Seeds B) Spores C) Budding D) Conidia

Answer: B) Spores

18. The vascular tissue in pteridophytes includes:

- A) Xylem and Phloem B) Only Xylem C) Only Phloem D) None

Answer: A) Xylem and Phloem

19. Fungi are:

- A) Autotrophic B) Saprophytic or Parasitic C) Photosynthetic D) Chemosynthetic

Answer: B) Saprophytic or Parasitic

20. *Penicillium notatum* produces:

- A) Streptomycin B) Penicillin C) Tetracycline D) Chloramphenicol

Answer: B) Penicillin

II. Fill in the Blanks

1. The body of a fungus is called _____.

Answer: Mycelium

2. The cell wall of fungi is made of _____.

Answer: Chitin

3. *Albugo* causes _____ disease in plants.

Answer: White rust

4. *Penicillium* produces the antibiotic _____.

Answer: Penicillin

5. *Mucor* reproduces by _____ spores.

Answer: Sporangiospores

6. Fungi are _____ in nutrition.

Answer: Saprophytic

7. *Marchantia* is a member of division _____.

Answer: Bryophyta

8. The dominant phase in *Marchantia* is the _____ generation.

Answer: Gametophyte

9. The reproductive structures in *Marchantia* are _____ and _____.

Answer: Antheridiophore, Archeogoniophore

10. *Polytrichum* is a _____.

Answer: Moss

11. The sporophyte in bryophytes depends on _____.

Answer: Gametophyte

12. *Rhynia* is a fossil _____.

Answer: Pteridophyte

13. *Equisetum* is also called _____.

Answer: Horsetail

14. *Marsilea* reproduces by _____.

Answer: Spores

15. The gametophyte in pteridophytes is known as _____.

Answer: Prothallus

16. Fungi reproduce asexually by _____.

Answer: Spores

17. The spores of *Marsilea* are _____.

Answer: Heterosporous

18. Fungi store food material as _____.

Answer: Glycogen

19. Bryophytes require _____ for fertilization.

Answer: Water

20. Pteridophytes are the first plants to possess _____ tissues.

Answer: Vascular

III. Descriptive Questions

1. Puccinia life cycle ?
2. Tikka Disease on groundnut ?
3. Economic importance of lichens?
4. Sporophyte evolution in bryophyte ?
5. Stelar evolution in Pteridophyte?