

Define the following. 2M

1. Hyphae
2. Mycelium
3. Thallus
4. Eucarpic fungus
5. Holocarpic fungus
6. Doliopore septum
7. Coenocytic hyphae
8. Appresorium
9. Rhizomorph
10. Sclerotium
11. Anamorphic stage
12. Arthrospores
13. Sporangiphore
14. Sporangium
15. Aplanospores
16. Periphyses
17. Paraphyses
18. Ascocarp
19. Ascus
20. Chlamydospore
21. Basidium
22. Sporangiospore
23. Conidia
24. Antheredium
25. Oogonium
26. Dikaryogamy
27. Taxonomy
28. Heterothallism
29. Trichogyne
30. Clamp connection
31. Uredospore

Short answer type. 4M

1. What is mycelium? Explain about different modifications of mycelium and its purpose.
2. Types of plectenchyma
3. What is parasexuality
4. Types of sexual spores
5. Types of asexual spores
6. Difference between holocarpic and eucarpic thallus
7. Write short notes on septa present in fungi
8. Write difference between pythium and phytophthora
9. Write difference between oidium, oidiopsis, ovulariopsis.

10. Write difference between ascomycotina and basidiomycotina

Long answer type. 8M

1. What is Asexual reproduction? Explain in brief about the different types of asexual fruiting bodies produced by fungi with neat labelled diagrams.
2. Write about different methods of asexual reproduction.
3. What is sexual reproduction? Explain in brief about the different types of sexual fruiting bodies produced by fungi with neat labelled diagrams.
4. Write about different methods of sexual reproduction.
5. What is nomenclature? Write about some important rules of nomenclature.
6. Classification of fungi
7. Explain in brief about the distinguishing characters of downy mildew genera
8. Give the chief characters of zygomycotina with some examples
9. Write about Important characters of oomycetes with a brief description of the genus albugo with neat labelled diagrams
10. Give the important characteristics of ascomycotina and classify it upto class level.
11. Give the characteristic features of Erisiphaceae and write in brief about the types of cleistothecial appendages with neat labelled diagrams
12. Write about the life cycle of *puccinia graminis tritici*
13. Write the difference between smuts and bunts
14. Give the characteristic features of basidiomycotina and classify it up to class level