

Chapter- 02

BIOLOGICAL CLASSIFICATION

VERY SHORT ANSWER QUESTIONS (1 mark)

01. What are phytoplanktons?
02. What are imperfect fungi? Given one example.
03. What is cytotaxonomy?
04. Who proposed the five-kingdom classification system?
05. Define term thermoacidophiles with an example.
06. Define the term halophiles with an example.
07. What do the terms phycobiont and mycobiont signify?
08. What does the dikaryophase mean?

SHORT ANSWER TYPE QUESTIONS (2 marks)

11. What do you mean by diatomaceous earth?
12. Why is the natural system of classification better than an artificial system of classification?
13. Write about the asexual reproduction of Phycomycetes.
14. What do you mean by viroids?
15. Write a note on ciliated protozoan with examples.
16. Explain the physiological relationship between algal and fungal components of Lichen?
17. How is nucleoid different from the nucleus?

SHORT ANSWER TYPE QUESTIONS (3 marks)

18. What is the difference between prokaryotes and eukaryotes?
19. What do you understand by the alternation of generations? Describe in brief.
20. Write a short note on Mycoplasma.
21. Draw a well-labelled diagram of cyanobacteria.
22. Enlist the difference between ascomycetes and basidiomycetes.
23. Define mycorrhiza. What is its benefit? Give one example.
24. Discuss the general characteristics of Protista.

LONG ANSWER TYPE QUESTIONS (5 marks)

25. Describe the structure of bacteriophage.

26. Give a brief account of reproduction in fungi
27. Classify the five-kingdom classification system considering five major characters.

HOTS/MODEL QUESTIONS:

01. Give a comparative account of Fungi.
02. What is the role of zoological parks in wildlife conservation?
03. Fungi are cosmopolitan, write the role of fungi in your daily life.
04. Make a list of algae and fungi that have commercial value as food, chemicals, medicines, and fodder.
05. Expand PPLO. Give one example.
06. What do you mean by transduction?
07. How is viroid different from prion?
08. Briefly write about euglenoids.
09. Write about Eubacteria and discuss its types.
10. Draw a well-labelled diagram of a bacterial cell.
11. Discuss the structure of viruses.
12. Explain sexual reproduction in Bacteria.
13. What are Slime moulds?
14. Discuss the structure of TMV.
15. Write the basic difference between Archae and Eubacteria.
16. What are chrysophytes?
17. Write a note on Sporozoans
18. What is the difference between the cell walls in plants and cell walls in bacteria?
19. What were the demerits of the two-kingdom classification?

