

SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE
BOTANY QUESTION BANK
PAPER-I

Essay Questions

1. Give an account of theories of "Origin of life".
2. Describe briefly the process of Evolution
3. Describe the Microbial diversity
4. List plant diseases caused by viruses and describe their control measures.
5. Give an account on the Multiplication (or) Replication in viruses
6. Describe the cell structure of bacterium
7. Give an account on nutrition in bacteria
8. Give an account of reproduction in bacteria
9. Give an account on the economic importance of bacteria
10. Give some important plant diseases caused by the bacteria and their control measures
11. Give general characters of cyanobacteria
12. Describe the cell structure of cyanobacteria
13. Give an account on the morphological and anatomical characters of lichens
14. Give an account on lichen reproduction and add a note on its economic importance
15. Describe the General characters of Algae and mention its classification
16. Describe structure, reproduction and life history of Oedogonium
17. What is an "Isomorphic alternation of generation? Describe the life history of an isomorphic plant body studied by you. (or) Describe the structure, reproduction and life history of Ectocarpus plant
18. What is Diplobiontic life cycle? Describe the life cycle of a diplobiontic plant studied by you?(or) Describe the structure, reproduction and life history of polysiphonia
19. Thallus organization in Algae
20. Economic importance of Algae
21. General characters of fungi and its classification
22. Describe the life cycle of penicillium and add a note on its economic importance
23. Describe the life cycle of a Heteroecious rust (Or) Describe the life cycle of a macrocyclic rust? (Or) Name the pathogen causing Rust disease on angiospermic plant and describe its life history (Or) Describe the life cycle of Puccinia.
24. Describe various types of plant diseases caused by fungi? Add a note on the control measures
25. Describe the life history of Rhizopus.

SHORT QUESTIONS

1. Mycoplasma
2. Chlamydia.
3. Archaeobacteria (Archaea)
4. Actinomycetes (Actinobacteria)
5. Rickettsias
6. Structure of T4 Bacteriophage.
7. Structure of TMV.
8. Bendi Vein clearing disease.
9. Papaya leaf curl disease.
10. Symmetry of viruses.
11. Disease symptoms caused by viruses in plants.
12. Transmission of viruses to cause plant diseases.

13. Classification of viruses.
14. Conjugation.
15. Transformation.
16. Asexual reproduction in Bacteria.
17. Nutrition in bacteria.
18. Citrus canker.
19. Angular leaf spot of cotton.
20. Leaf Blight of Rice.
21. Late blight of potato
22. Red rot of Sugarcane
23. Paddy blast
24. Thallus in Cyanobacteria.
25. Heterocysts.
26. Hormogonia.
27. Cyanobacteria as SCP.
28. Cyanobacteria as Biofertilizers.
29. Relation between phycobiont and mycobiont in a lichen
30. Ecology of lichens.
31. Structure of lichen.
32. Special structures associated with a lichen.
33. Cap cells.
34. Macrandrous form.
35. Nannandrous form.
36. Plurilocular sporangia.
37. Unilocular sporangia.
38. Cystocarp/Carposporophyte.
39. Tetrasporophyte.
40. Diplobiontic life cycle.
41. Economic importance of fungi
42. Asexual reproduction in penicillium.
43. Economic importance of penicillium.
44. Ascocarp.
45. Apothecium.
46. Rust problem on wheat in India.
47. Pycnidium.
48. Aecidium