

QP CODE: 20101111



Reg No :

Name :

B.Sc. DEGREE (CBCS) EXAMINATION, NOVEMBER 2020

Second Semester

Core Course - BO2CRT02 - MICROBIOLOGY, MYCOLOGY & PLANT PATHOLOGY

(Common for B.Sc Botany Model I ,B.Sc Botany Model II Environmental Monitoring And Management ,B.Sc Botany Model II Food Microbiology ,B.Sc Botany Model II Horticulture and Nursery Management ,B.Sc Botany and Biotechnology Model III Double Main ,B.Sc Botany Model II Plant Biotechnology)

2017 ADMISSION ONWARDS

23432659

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Give an example for Eukaryotic microbe.
2. Define Pili.
3. What is a viroid?
4. Name a bacterial culture media.
5. Name a cyanobacteria who can fix atmospheric molecular Nitrogen.
6. What are chlamyospores?
7. Name the group of fungi known as 'sac fungi'.
8. What is Paraphysis?
9. What is St. Anthony's Fire?
10. Name two blue-green algae that act as phycobiont in lichens.
11. What are endemic diseases?
12. What is the scientific name of causative organism in leaf fall of rubber?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the structure of bacterial cell.





14. Explain Lytic cycle of bacteriophage multiplication with diagram.
15. Briefly describe the production of vine.
16. What is coenocentrum? Mention its importance.
17. Describe the development of basidium and basidiospores in Puccinia.
18. Describe the structure of mature basidiocarp in Agaricus with the help of a neat labelled diagram.
19. Differentiate endo-mycorrhiza and ecto-mycorrhiza.
20. Describe the disease cycle in Bacterial blight of Paddy.
21. How do quarantine help in control of diseases?

(6×5=30)

Part C

Answer any two questions.

Each question carries 10 marks.

22. Give a detailed account on economic importance of Bacteria.
23. Describe the structure & reproduction of Physarum.
24. Explain the different host defense mechanisms against pathogens.
25. What is biological control? Describe briefly the various biological control methods?

(2×10=20)

