

P-921

Total Pages : 3

Roll No.

BOT-501

Biology and Diversity of Viruses, Bacteria and Fungi

M.Sc. Botany(MSCBOT)

1st Year Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What do you understand by virus? Describe the process of replication in bacteriophages.
2. Write a detailed note on the "role of bacteria in industries, medicine and as biofertilizers".
3. Describe the economic importance of mycoplasma.
4. Discuss in detail the different modes of reproduction in fungi.
5. Write a detailed note on the distinguishing features of Oomycetes and their classification.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. What is clamp connection? What is its use in classification?
2. Explain why the "Deuteromycetes are generally called as imperfect fungi"?
3. Briefly describe the arbuscular mycorrhizae.

4. Write a short note on *Aspergillosis*.
 5. Write a short note on mushroom poisoning.
 6. Write the difference between sac fungi and club fungi.
 7. List any four DNA viruses with their main characteristics.
 8. Write a note on sexual incompatibility in fungi.
-

