



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

M.Sc. Examinations 2020
Semester IV
Subject: MICROBIOLOGY
Paper: MCB 401

Full Marks: 40

Time: 2Hrs.

Candidates are required to give their answers in their own words as far as practicable.

Group-A (Ecology)

Answer any one of the following:

1. In which way the stability of ecosystem is maintained?
2. Why the food chains found in nature are not too long?
3. Mention the necessities of biodiversity conservation
4. In which senses the k-selected species are differed from r-selected species?
5. Write note on : ecotone & edge effect
6. Critically comment on the co-operativity of grazing and detritus food chain

Group-B (Environmental Microbiology)

Answer any one of the following:

1. How do you compare the number of viable and non-viable fungal spores of a particular area at a given time using different air samplers?
2. Write note on aspergillosis.
3. Marine microbes are the unique source of biopharmaceuticals – justify the statement.
4. Explain the consequences of biological magnification with example
5. Write short note on : microbial deterioration of paper
6. Explain the microbiological criteria of potability of water