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RAN-2503000504026001

S. Y. B. Sc. (Microbiology) (Sem. - IV) Examination April - 2025

MB-MJ-402 : Microbial Ecosystems

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

S. Y. B. Sc. (Microbiology) (Sem. - IV)

Name of the Subject :

MB-MJ-402 : Microbial Ecosystems

Subject Code No.: **2503000504026001**

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labeled diagrams whenever necessary.

Q. 1. Answer in short (any 5):

05

1. Define Mineralization in carbon cycle.
2. Enlist 2 problems of termite when it uses wood as food.
3. Define interspecies hydrogen transfer.
4. Define benthic organisms.
5. Give full form of SOM. State its one function.
6. What is infection thread?

Q. 2. Answer the following (any 2):

10

1. Explain Phosphorus cycle in detail.
2. Enlist various ruminants. Discuss herbivorous animal stomach compartments in detail.
3. Discuss Parasitism in detail.

Q. 3. Answer the following (any 2):

10

1. Discuss distribution of microorganism in Aquatic environment.
2. Discuss classification of Mycorrhizae in detail.
3. Discuss importance of Nitrogenase enzyme and regulatory cascade system involved in effective N_2 fixation.

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