

Roll No.....

Total No. of Units : 04

Total No. of Printed Pages : 03

Code No. : B03/204

Third Semester Examination, January 2022

M.Sc. BOTANY

Paper - II

PLANT ECOLOGY

Time : 3 Hrs.

Max. Marks : 80

- Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.
Part C (Short answer type) of each question will be answered in 200-250 words.
Part D (Long answer type) of each question should be answered within the word limit 400-450.

Unit - I

Q.1 A. What do you understand by ecological efficiencies? (2)

Q.1 B. Define Litterfall. (2)

Q.1 C. Write function of ecosystems. (4)

OR

Write a note on Energy Flow Pathways.

Q.1 D. Describe the various types of biogeochemicals in Ecosystem. (12)

OR

Write the different methods of measurement of Productivity.

P.T.O.

(2)

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Unit - II

Q.2 A. Define Ecological restorations. (2)

Q.2 B. Write the causes of unsustainability. (2)

Q.2 C. Write the shorts note on Earthquake. (4)

OR

Write the shorts note on environmental impact Assessment.

Q.2 D. What is sustainable development? Write their objectives, indicators and strategies. (12)

OR

Discuss about Plastic and Nuclear Pollution in our Ecosystem.

Unit - III

Q.3 A. What do you understand by IVI. (2)

Q.3 B. What is phenology? (2)

Q.3 C. Explain the qualitative characters of community. (4)

OR

Write a short note on community coefficients.

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Q.3 D. What is Population? Write their characteristic, growth curve and Strategies. (12)

OR

Describe the synthetic characters in community organizations.

Unit - IV

Q.4 A. What is character displacement? (2)

Q.4 B. Define autogenic and allogenic succession. (2)

Q.4 C. Write a short note on habitat and Niche. (4)

OR

Describe the mechanism of Ecological Succession.

Q.4 D. What is Succession? Write their types and concepts, changes in ecosystem. (12)

OR

Describe the cyclic and non cyclic changes in vegetation development.

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