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Total No. of Questions: 16] [Total No. of Printed Pages: 3

SEM-3011

M.Sc. (IIIrd Semester) Examination, 2022 ENVIRONMENTAL SCIENCE

Paper - ESCE-303 (A)

(Population and Community Ecology)

Time: 3 Hours] [Maximum Marks: 40

Section-A (Marks : $1 \times 10 = 10$)

Note: Answer all ten questions (Answer limit 50 words). Each question carries 1 mark.

Section-B (Marks: $3 \times 5 = 15$)

Note: Answer all *five* questions by selecting at least *one* question from each Unit (Answer limit **200** words). Each question carries **3** marks.

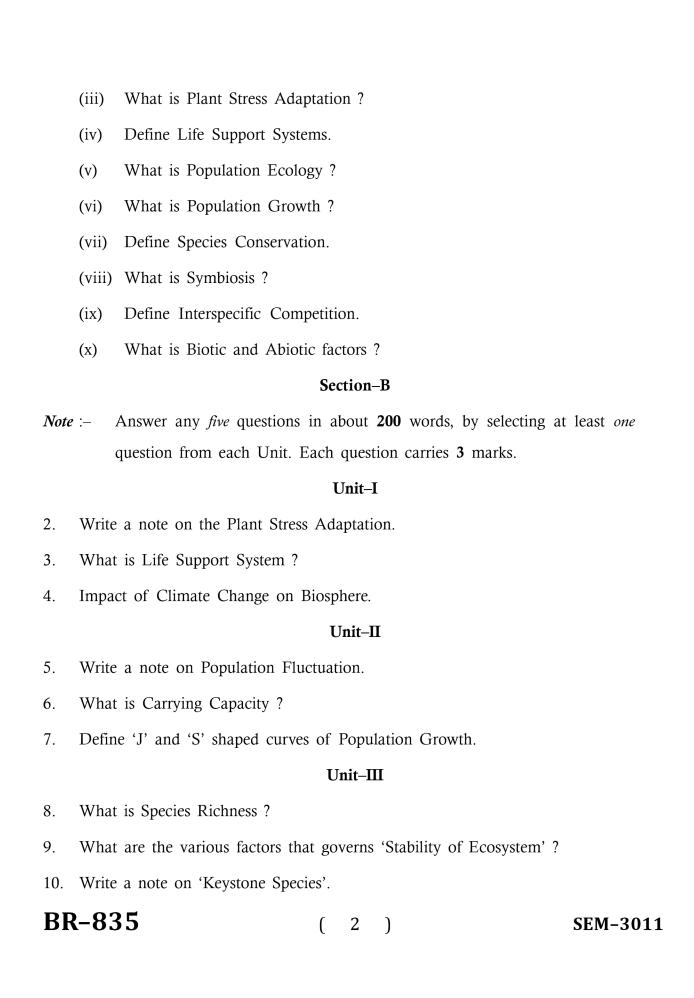
Section–C (Marks : $5 \times 3 = 15$)

Note: Answer any three questions by selecting one question from each Unit (Answer limit 500 words). Each question carries 5 marks.

Section-A

- 1. Attempt all ten questions. Answers should not exceed 50 words in each question.
 - (i) What is Ecosystem?
 - (ii) Define Population Ecology.

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Section-C

Note: Answer any *three* questions in this Section, by selecting *one* question from each Unit in about **500** words. Each question carries **5** marks.

Unit-I

- 11. Write an essay on Eco-physiological Adaptation in Plants for Stressed Environment.
- 12. Describe the Ecological Restoration.

Unit-II

- 13. What are the factors responsible for the extinction of a Species?
- 14. What is Population Dispersal? Describe with suitable example.

Unit-III

- 15. Write an essay on the 'Interdependence of Plants and Animals'.
- 16. Describe the role of Nutrients, Water and Energy in determining Community.

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