KJ-496

M.Sc. (Zoology)

3rd Semester Examination, June, 2020

Paper - III

Population Ecology

Time : Three Hours] [*Maximum Marks* : 80

Note : Answer from **all** the Units and Question No.1 is compulsory. Illustrate your answer with diagram wherever necessary. All questions carry equal marks.

1. Write notes on the following :

(*a*) Mutualism

(*b*) Population density

Unit-I

2. Describe life table and reproductive rates and reproductive values.

OR

Give an account of 'population growth'.

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Unit-II

3. Write notes on 'population energetics'.

OR

Describe competition and niche theory.

Unit-III

4. Give details of 'distribution of organism'.

OR

Write note on 'population regulation'.

Unit-IV

5. Describe construction and testing of ecological models.

OR

Explain 'population dynamics'.

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