

No. of Printed Pages : 03

Roll No.

AA841

M. Sc. EXAMINATION, May 2019

(First Semester)

(B Scheme) (Re-appear)

ENVIRONMENTAL SCIENCE

ES101

Ecology and Biodiversity

Time : 3 Hours]

[Maximum Marks : 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(1-05/23) M-AA841

P.T.O.

Unit I

1. Explain the following :
 - (a) Carrying Capacity **10**
 - (b) Levels of Organization. **10**
2. (a) What are food chain and food webs ?
Give example and discuss their significance. **10**
 - (b) Discuss the scope of Ecology. **10**

Unit II

3. What are Biogeochemical Cycle ? Explain with the help of diagram phosphorus cycle. **20**
4. Discuss the following :
 - (a) Community Interaction **10**
 - (b) Autecology of Species. **10**

Unit III

5. Define Ecosystem. Explain its types. Give an account of the structure and function of the ecosystem. **20**

6. Write short notes on the following :

- (a) Desert Ecosystem **10**
- (b) Primary and Secondary Process of Succession. **10**

Unit IV

7. What do you mean by Biodiversity and hotspots of Biodiversity. Explain various strategies for conservation of it. **20**
8. Discuss the following :
 - (a) Gene Pool **10**
 - (b) Red Data Book. **10**