

M.A. Examination, 2015
Semester-II
Geography
Paper – IX
(Landscape and Human Ecology)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.
Answer **three** questions, selecting **one** from each unit.

Unit-I

(Concepts, Approaches and Theories in Landscape Ecology)

1. What do you understand by the term '*Landscape Ecology*'? Enumerate and discuss the different types of ecological pattern with examples. Write a brief note on *ecotope*.

4+7+3=14

2. Critically discuss the Penolation Theory in Landscape Ecology. Explain the term '*edge*'.

9+5=14

Unit-II

(Processes and Principles of Landscape Dynamics)

3. Evaluate the basic properties of soil as a resource. Assess the role of two major soil conservation measures for augmenting soil fertility.

7+6=13

4. What are the principles of land evaluation? Discuss the various approaches to the study of land evaluation. Narrate the FAO system of land classification.

4+4+5=13

Unit-III

(Basis and Emerging Dimensions of Human Ecology)

5. What do you understand by Human Ecology? How does it differ from Human Geography? Justify the emergence of Human Ecology as an important sub-discipline of Geographical Studies.

5+3+5=13

6. Write notes on the following:

(a) Ecological Footprint.

(b) Significance of *food chain* and *food web* in Human Ecology.

5+8=13