

M.A. Examination, 2019
Semester-II
Geography
Course-IX
(Landscape and Human Ecology)

Time: Three 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'? Assess the role of different disciplines in this context. 14
2. Define 'Patch Dynamics'. Bring out the significance of different types of patches in Landscape Ecology. 6+8=14

Unit-II
(Process and Principles of Landscape Dynamics)

3. Enumerate the resource value of soil in the context of its potential and actual yield of crops. Examine the role of major chemical properties in controlling soil fertility. 6+7=13
4. Specify the different approaches of land capability evaluation. Discuss the land capability classification put forward by USDA. Mention the merits and demerits of this method. 4+6+3=13

Unit-III
(Basics and Emerging Dimensions of Human Ecology)

5. Trace the evolution of Human Ecology as a separate academic discipline. Evaluate the relevance of Food Chain and Food web in understanding ecological inter relationships. 5+8=13
6. Highlight the contemporary ecological issues of the world. Discuss any one of them in detail. 5+8=13
