

**UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)****उत्तराखण्ड मुक्त विश्वविद्यालय हल्द्वानी (नैनीताल)****M.Sc. Environmental Science (MSCEN-13)****1ST YEAR ASSIGNMENT**

Last Date of Submission 15 Mayजमा करने की अन्तिम तिथि: 15 मई

Course Title: Ecology and Natural Resources Management**Course Code:** ES502**Year:** 2013-14**Maximum Marks:** 40**Section 'A'**

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

Briefly discuss the following:

- 1- Define Ecosystem. Discuss its structure and function in brief with suitable examples.
- 2- Discuss the major terrestrial Ecosystem in the hilly regions of Uttarakhand.
- 3- Write a note on the role of Agroforestry in food security.
- 4- Distinguish between Conventional and Non-Conventional Energy Resources.
- 5- What is biodiversity? What are its different levels?
- 6- Write a brief note on IUCN Red Data Books.
- 7- Discuss in brief the various environmental challenges in India.
- 8- Write a note on Agenda 21.

Section 'B'

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.

- 1- What do you understand by Ecological Succession? Explain the kinds of succession. Also discuss the process of and theories of Succession.
- 2- Discuss in detail the threats and causes of biodiversity loss. Also discuss the importance of biodiversity bill.
- 3- Describe in detail properties and classification of Soil.
- 4- Discuss about social, ethical and aesthetic values of Biodiversity with particular reference to Uttarakhand..