



**PUNYASHLOK AHILYADEVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**

**Syllabus
as per NEP- 2020**

Name of Faculty:

All Faculties (UG) for Semester IV

Co-Curricular Course (CC-)



NATIONAL SERVICE SCHEME

w.e.f. June 2025

1.1 Preamble:

Environmental issues and disaster risks have emerged as some of the most pressing challenges of the twenty-first century. Rapid urbanization, industrial growth, unsustainable patterns of resource consumption, and the escalating impacts of climate change have intensified pressures on natural ecosystems and human settlements alike. These developments have not only degraded environmental quality but have also heightened the frequency and severity of disasters—both natural and human-induced. Recognizing that a healthy environment is fundamental to sustainable development and human well-being, it is imperative to adopt a proactive and integrated approach to environmental protection and disaster management. This involves understanding the intricate relationship between human activities and ecological balance, strengthening resilience through preparedness and mitigation, and promoting responsible stewardship of natural resources. This document underscores the collective responsibility of governments, communities, institutions, and individuals to safeguard the environment and to build robust systems capable of anticipating, withstanding, and recovering from disasters. Through informed policies, scientific innovation, and active public participation, we can foster a safer, more sustainable, and disaster-resilient future for current and coming generations.

1.2 Objectives:

- 1 To understand environmental crisis as a social problem
- 2 To sensitize NSS volunteers towards environmental protection
- 3 To promote community participation through NSS activities
- 4 To encourage sustainable and eco-friendly practices
- 5 To create awareness about different types of disasters
- 6 To understand the role of NSS volunteers in disaster preparedness and response
- 7 To develop leadership, teamwork, and community service skills
- 8 To promote disaster risk reduction and resilience at the community level

Eligibility: completed first year of degree recognized university and should have been admitted to second year.

Programme duration: forth semester for CC

Mode of Assessment:

College Assessment (CA): Unit test / Assignment / field work: 20 marks

University Assessment (UA): 30 marks

Structure of Course:

Sem.	Paper	Title of Paper	Number of Lectures + Field work	University Assessment	College Assessment	Total Marks	Total Credits
IV	CC	Environmental crisis and Disaster Management	30 hrs	30	20	50	02



CC-
National Service Scheme (N. S. S.)
Semester IV Credits: 02
Paper IV: Environmental crisis and Disaster Management

Unit I Environmental Crisis and Role of NSS Volunteer **15**

- 1.1 Meaning and concept of environmental crisis
- 1.2 Role of Human in environmental degradation (Solid waste, plastic waste and e waste)
- 1.3 Role of NSS volunteer in environmental awareness Programmes

Unit II Disaster Management **15**

- 2.1 Meaning and concept of disaster management
- 2.2 Types of disasters: natural and man-made
- 2.4 Disaster management training: Avhan

References:

- National Service Scheme Manual (Revised):** Government of India, Ministry of Youth Affairs and Sports, New Delhi Government of India, 2022
- Prager, E. J.** (2016). *Dangerous earth: What we wish we knew about volcanoes, hurricanes, climate change, earthquakes, and more.* Yale University Press.
- Pogue, D.** (2021). *How to prepare for climate change: A practical guide to surviving the chaos.* Simon & Schuster.
- Kayyem, J.** (2022). *The devil never sleeps: Learning to live in an age of disasters.* Public Affairs.
- Asimov, I., & Pohl, F.** (1991). *Our angry earth: A ticking ecological bomb.* St. Martin's Press.
- Subramanian, R.** (2019). *Disaster management.* Vikas Publishing House.
- Bharucha, E.** – Environmental Studies, Universities Press
- Agarwal, A.** – The State of India's Environment, Centre for Science and Environment
- Gadgil, M. & Guha, R.** – Ecology and Equity, Penguin Books
- Rajagopalan, R.** – Environmental Studies: From Crisis to Cure, Oxford University Press
- UNEP** – Global Environment Outlook (GEO) Reports
- National Disaster Management Authority (NDMA)** – Disaster Management Guidelines
- Dr. V. C. Dande: National Service Scheme Review
- Government of India** – *Disaster Management Act, 2005*
- NCERT** – *Disaster Management* (Selected Units)
- UNDP** – Disaster Risk Reduction Reports
- WHO** – Emergency and Disaster Preparedness Resources
- UNESCO** – Disaster Education Materials
- UNESCO** – Education for Sustainable Development Resources

Theory Question Paper Pattern as per

NEP 2020

Co- curricular Activities (CC –National Service Scheme)

Paper IV: Environmental crisis and Disaster management

Time: 1:30 Hrs

Total Marks: 30

Q.1 Multiple Choice Questions

(06 marks)

1. a) b) c) d)
2. a) b) c) d)
3. a) b) c) d)
4. a) b) c) d)
5. a) b) c) d)
6. a) b) c) d)

Q.2 Answer the Following (any three)

(06 marks)

- 1.
- 2.
- 3.
- 4.
- 5.

Q.3 Short Notes (Any two)

(06 marks)

- 1.
- 2.
- 3.

Q.4 Answer the Following (any one)

(06 marks)

- 1.
- 2.

Q.5 Answer the Following (any one)

(06 marks)

- 1.
- 2.