

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**Choice Based Credit System**

(With effect from June 2020)

S.Y.B.Sc. Syllabus, Semester-III**Environmental Geography –I (Paper-I)****Course No: GG 231****No. of Credits: 02****No. of hours: 30****Objectives:**

- i. To create environmental awareness amongst the students.
- ii. To familiarize the students with fundamentals concepts of Environmental Geography.
- iii. To acquaint the students to past, present, and future utility and potentials of resources at regional, national and global levels.
- iv. To enable the students to understand dynamics of man–environment relationship in various region of the world.

Unit No.	Topic	Sub-Topics	Learning Points	Hours
1	Introduction to Environmental Geography	Introduction and Ecosystems	1. Introduction to Environmental Geography <ol style="list-style-type: none"> a) Meaning and definition b) Nature, scope and significance c) Types of environment. 2. Ecosystem: <ol style="list-style-type: none"> a) Definition and concept b) Structure (Biotic and abiotic factors) and function (Food chain, trophic level, food web, energy flow) c) Major types of ecosystem: Equatorial and River ecosystems 	10
2	Man and environment relationship	The relationship between human life and environment in different regions	1. Human life in the mountain region 2. Human life in the desert region 3. Human life in the coastal region	6

3	Environmental Problems	Global issues and India's major problems	<ol style="list-style-type: none"> Major global environmental issues: Causes and effects of <ol style="list-style-type: none"> Climate change Stratospheric ozone depletion Biodiversity depletion Major environmental issues in India: causes and effects of <ol style="list-style-type: none"> Loss of biodiversity Water pollution Air pollution Noise pollution Nuclear (Atomic) pollution 	8
4	Specific Environmental issues in India	Major environmental crises in India and efforts to resolve them	<ol style="list-style-type: none"> Energy crisis: Impact and remedial measures Major environmental movements in India: <ol style="list-style-type: none"> Western Ghat Conservation Chipako Movement Narmada Bachao Andolan 	6

Reference Books:-

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- Gautam, A., (2007). Environmental Geography, Sharda Pustak Bhawan Allahabad
- Gholap, T.N., (2000). Environment Science, Nishikant Publication, Pune (Marathi).
- Goudie, A., (2001). The Nature of the Environment. Blackwell, Oxford.
- Huggett, R.J., (1998). Fundamental of Biogeography. Routledge, London.
- Kormondy, E. J., (2012). Concepts of Ecology. PHI Learning Pvt. Ltd., New Delhi.
- Miller, G. T., (2004). Environmental Science: Working with the Earth, 5th edition, Thomson/ Brooks Cole, Singapore.
- Odum, E. P., (2006). Fundamentals of Ecology, 6th edition, Cengage Learning India.
- Saxena, H.M., (2017). Environmental Geography. 3rd edition, Rawat Publication, Jaipur.
- Sharma, P.D., (2015). Ecology and Environment. Rastogi Publications, Meerut.
- Singh, R.B., (2009). Biogeography and Biodiversity. Rawat Publication, Jaipur.
- Singh, R.B., (1998). Ecological Techniques and Approaches to Vulnerable Environment. Oxford & IBH Pub, New Delhi.
- Singh, S., (1997). Environmental Geography. Prayag Pustak Bhawan. Allahabad.