



## Environmental Studies (As per the Syllabus of UPTU)

By Jagdish Krishnaswamy, R.J. Ranjit Daniels

Wiley India Pvt. Ltd, 2013. Softcover. Book Condition: New. The purpose of the textbook is to use a balanced approach to the study of environment adopting operational definitions, broad and realistic classification and focused analyses and discussions that highlight the complexities, importance and scope of environmental studies to a wide array of undergraduate students. The contents are presented in seven chapters such that they cover the specific topics prescribed under the GBTU syllabus. 1 Introduction to Environmental Science Learning Objectives 1.1 Scope and Importance of Environment 1.2 The Gaia Hypothesis 1.3 Multidisciplinary Nature of Environmental Science 1.4 Need for Public Awareness on the Environment as a Composite Unit of the Earth 1.5 Unsustainable and Sustainable Utilization of Environment Key Terms Objective-Type Questions Review Questions Answers 2 Ecosystems: Units that Sustain Life Learning Objectives 2.1 Concept of an Ecosystem 2.2 Structure and Classification of Ecosystems 2.3 Characteristics of an Ecosystem 2.4 Ecosystem Processes 2.5 Food Chain and Food Web 2.6 Nutrient Cycling 2.7 Characteristics of Different Ecosystems 2.8 Biomes 2.9 Need for a Balanced Ecosystem and Restoration of Degraded Ecosystems Key Terms Objective-Type Questions Review Questions Answers 3 Biodiversity and its Conservation Learning Objectives 3.1 Biological and Taxonomic Hierarchies 3.2 Genes 3.3...



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