

Course Code	Course Name	Credits
26RD506	Rural Resources and Sustainable Development	04

Course Objectives

- To understand the relationship between rural resources and sustainable development
- To understand the available rural resources and its management

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

- Define and analyze the concept of rural resources and their characteristics, including physical resources like land, water, forests, and energy resources, and examine their role in rural development.
- Explain and evaluate the concept of sustainable development, its indicators, and parameters, including Sustainable Development Goals (SDGs), and address issues and challenges in achieving sustainable development.
- Critically assess various approaches to sustainable development, such as the Positivist, Multi-dimensional, Eco-system, and Indigenous approaches, and apply these perspectives to real-world issues
- identify and evaluate key developmental issues related to sustainable development, including deforestation, drought, floods, soil erosion, biodiversity loss, climate change, intellectual property rights, displacement, consumerism, industrialization, and globalization

Unit 1 – Rural Resource (10 hrs)

Rural resource: Concept, characteristics of resources; Rural physical resources: land, water, forest and energy resource

Unit 2 – Natural Resource Management in India (12 hrs)

Natural resource Management; Management of the resource: community based natural resource, adaptive management and Integrated natural resource management

Unit 3 - Sustainable Development (13 hrs)

Sustainable Development: concept, indicators of development, parameters of sustainable development; Sustainable Development Goals (SDGs); Issues and challenges in sustainable development

Unit 4 – Approaches to Sustainable Development (12 hrs)

Positivist Approach, Multi-dimensional Approach, Eco-system Approach and Indigenous View

Unit 5 - Developmental Issues and Sustainable Development (13 hrs)

Deforestation, drought, floods and soil erosion, biodiversity, climate change, intellectual property rights, development and displacement, consumerism, industrialization and globalization

Reference:

1. Charles W.Howe () natural Economics – Issues, analysis and policy, John Wiley & sons
2. K.V.Sundaram, M.Moni, Arityumjay M Jha.() natural Resources Management and livelihood Security. Survival strategies and sustainable Development.
3. F.Archibugi and Nijkamp () Economy and ecology towards sustainable Development, Lonon, Newyork, Sydney, Toronto.
4. Tosedell (C.A) () Development in Environmental Conservation Economics for Environmental and ecological management. Science. Publisher, Amsterdam, the Netherlands.
5. Burndt land- Gro Harman (1987) Our Common Future, World commission on Environment and Development, Oxford University, Press

COs and Bloom's Taxonomy Level (BTL) Mapping

COs and Bloom Taxonomy Mapping-26RD506		
Course Outcomes	On successful completion of this course, students will be able to	BTL
CO1	Define and explain the Concept and characteristics of rural resources that are utilized by communities for their sustenance and development.	K1, K2
CO2	Apply Sustainable development in managing the rural resources through indicators and parameters of development.	K3
CO3	Examine critical developmental issues including deforestation, drought, floods, soil erosion, biodiversity loss, climate change, intellectual property rights, development-induced displacement, consumerism, industrialization, and globalization, and their implications for sustainable development.	K4
CO4	Recommend projects to boost the complexity of sustainable development and the need for holistic approaches that consider economic, social, and environmental factors.	K5
CO5	Create holistic and integrated natural resources approaches such as community-based management, adaptive management, and integrated management by involving local communities in the management and conservation of natural resources, leveraging their traditional knowledge and ensuring their participation.	K6

BTL: K1 and K2- Remembering and Understanding, K3- Applying, K 4- Analyse, K5- Evaluate and K 6 – Create

Relationship Matrix-26RD506													
Course Outcomes	Programme Outcomes (POs)						Programme Specific Outcomes (PSOs)						Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	
CO1	3	3	2	3	3	2	2	2	3	3	2	2	2.5
CO2	3	3	2	3	3	3	2	3	3	3	2	3	2.7
CO3	3	3	3	3	3	2	3	3	3	3	3	2	2.8
CO4	3	3	3	3	3	3	3	3	3	3	2	2	2.8
CO5	3	3	3	3	3	2	3	3	3	3	3	2	2.8
Total													2.72

Mean Score: 3- High, 2- Medium/Moderate, 1-Low