

Semester: VII

17. MAJOR COURSE- MJ 16: NATURAL RESOURCE MANAGEMENT AND ENVIRONMENTAL GEOGRAPHY

Allotted:72 Lectures

Course Objective:

1. To familiarize the concept of Natural resource management, and its concepts
2. To make students learn about the Ecosystem, its structure, functions and various policy with regard to environmental conservation

Sl.	Unit	Topics	Methodology	Assessment	Outcome
1	Unit 1: 15 Lectures	Environment and Natural Resource Management: Concept, Human-Environment Relationships	<ul style="list-style-type: none"> • Lecture • Digital Classes • Group Discussion • Self-study • EX-situ Examples. 	<ul style="list-style-type: none"> • Quiz on basic concepts • Class Test • Assignments • Presentation 	<ol style="list-style-type: none"> 1. Understand the dynamic interactive relationship between man and environment. 2. Have sound understanding on distribution, utilization and proper management of natural resources at global level. 3. Make assessment and review of planning and policies related to environment and natural resources.
2	Unit 2: 15 Lectures	Ecosystem: Concept, Structure and Functions. Environmental Issues in Tropical, Temperate and Polar Ecosystems.	<ul style="list-style-type: none"> • Lecture • Digital Classes • Group Discussion • Self-study • Ex-situ Examples. 	<ul style="list-style-type: none"> • Quiz on basic concepts and Theories • Class Test • Assignments • Presentation 	<ol style="list-style-type: none"> 1. Understand the dynamic interactive relationship between man and environment. 2. Have sound understanding on distribution, utilization and proper management of natural resources at global level. 3. Make assessment and review of planning and policies related to environment and natural resources.
3	Unit 3: 15 Lectures	Natural Resource: Concept, Classification, Distribution, Utilization, Problems and Management of Land, Water Forests and Energy.	<ul style="list-style-type: none"> • Lecture • Digital Classes • Group Discussion. • Ex-situ Examples. • Self-study 	<ul style="list-style-type: none"> • Quiz on basic concepts and Theories • Class Test • Assignments • Presentation 	<ol style="list-style-type: none"> 1. Understand the dynamic interactive relationship between man and environment. 2. Have sound understanding on distribution, utilization and proper management of natural resources at global level. 3. Make assessment and review of planning and policies related to environment and natural resources.

4	Unit 4: 15 Lectures	Appraisal and Conservation of Environment and Natural Resources and Sustainable Resource Development.	<ul style="list-style-type: none"> • Lecture • Digital Classes • Group Discussion • Self-study • Ex-situ Examples. 	<ul style="list-style-type: none"> • Quiz on basic concepts and Theories • Class Test • Assignments • Presentation 	resources. 1. Understand the dynamic interactive relationship between man and environment. 2. Have sound understanding on distribution, utilization and proper management of natural resources at global level. 3. Make assessment and review of planning and policies related to environment and natural resources.
5.	Unit 5: 12 Lectures	Environmental Programmes and Policies – Global, National and Local levels	<ul style="list-style-type: none"> • Lecture • Digital Classes • Group Discussion • Self-study • Ex-situ Examples. 	<ul style="list-style-type: none"> • Quiz on basic concepts and Theories • Class Test • Assignments • Presentation 	1. Understand the dynamic interactive relationship between man and environment. 2. Have sound understanding on distribution, utilization and proper management of natural resources at global level. 3. Make assessment and review of planning and policies related to environment and natural resources.

Suggested Readings:

1. Chandna, R. C., (2002): Environmental Geography, Kalyani, Ludhiana.
2. Cunningham, W. P. and Cunningham, M. A., (2004): Principals of Environmental Science: Inquiry and Applications, Tata Macgraw Hill, New Delhi.
3. Goudie, A., (2001): The Nature of the Environment, Blackwell, Oxford.
4. Holechek, J. L. C., Richard, A., Fisher, J. T. and Valdez, R., (2003): Natural Resources: Ecology, Economics and Policy, Prentice Hall, New Jersey.