

UNIVERSITY OF MADRAS
B.A. DEGREE COURSE IN ECONOMICS
SYLLABUS WITH EFFECT FROM 2020-2021

BEC-DSE3A

ELECTIVE-III(A): ENVIRONMENTAL ECONOMICS
(FOR ECONOMICS STUDENTS)

Inst.Hrs: 6
Credits : 5

YEAR: III
SEMESTER: VI

Learning Outcomes:

- To acquire knowledge regarding the relationship between Economy and Environment.
- To differentiate different types of pollution say Cumulative and Non-cumulative; Degradable and Non-degradable etc.
- To understand the cost and impact of pollution.
- To acquire in-depth knowledge in the determination of Optimum level of pollution and measures undertaken by the government to control pollution.
- Interlinking the concept of climate change with sustainable development and to understand the impact of climate change in Rural and Urban development.

UNIT I

Environmental Economics an Introduction - The limitations of circular flow model of the economy: the opportunity cost of economic activity -The resource flow between environment and economy-The functions provided by the environment system to economic system

UNIT II

Types of Pollutants: Cumulative and Non-cumulative-Local, Regional and Global; Point source and Non-point source-Degradable, non-degradable and persistent pollution

UNIT III

Pollution as an external cost-Public goods -Absence of property rights

UNIT IV

Concept of optimum pollution-Command and Control-Pollution Tax-Pollution permits-Subsidies- Types of Environment Value-Cost Benefit Analysis -Travel Cost Method

UNIT V

Definition of Sustainable Development-Policies for Sustainable Development-Economic Costs of Climate change-Urbanisation – Damages in Rural Environment-Economic consequences of climate change in India

References:

1. Bhattacharaya: Environmental Economics-OUP,2002
2. Hanley, Nick, J.F. Shogren, and Ben White (2013): Introduction to Environmental Economics, London: Oxford University Press. ISBN: 9780199568734
3. Karpagam M. (2013) Environmental Economics, Sterling Publishers, New Delhi. ISBN: 9788120721463