

2.18 30118 ENVIRONMENTAL ECONOMICS

UNIT-1 ENVIRONMENTAL PROBLEMS AND ISSUES:

Role of Economics in Environmental Management Environmental Problems- Public Goods and Externalities -Analyzing Market Failure.

UNIT-2 SOLUTIONS TO ENVIRONMENTAL PROBLEMS:

Conventional Policy – Environmental Standards, Efficiency of Environmental Standards, Command and Control Approach- Market Based Policy – Pollution Charges and Environmental Subsidies, Deposit Refund System, Pollution Permit Trading Systems- Environmental Regulations in India.

UNIT-3 ANALYTICAL TOOLS FOR ENVIRONMENTAL PLANNING:

Environmental Risk Analysis – Concept of Risk, Risk Assessment and Risk Management Assessing Benefits for Environmental Decision Making – Environmental Benefits – Conceptual Issues, Approaches To Measuring Environmental Benefits – Physical Linkage Approach, Behavioral Linkage Approach – Direct and Indirect Estimation Methods- Benefit – Cost Analysis.

UNIT-4 SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL ACCOUNTING:

Sustainable Development – Concept and Measurement - Environmental Accounting – Concept, Common Property Resources and LDCs

UNIT-5 GLOBAL ENVIRONMENTAL MANAGEMENT:

International Trade and International Agreements- A Case of Global Air Quality- Policies for Ozone Depletion and Global Warming.

Reference Books:

1. Thomas Callan, (2007) - Environmental Economics, Thompson Learning Inc. Indian Edition
2. R. N. Bhattacharya: Environmental Economics, an Indian Perspective (Edited), 2001 Oxford University Press
3. Charles D. Kolstad (2014) - Intermediate Environmental Economics - OUP Indian Edition
4. ParthaDasgupta (2007) - Measuring Sustainable Development: Theory and , Asian Development Review, vol.24, no.1, pp.1-10
5. Robert M. Solow, Sustainability: An Economist's Perspective (this paper was presented at the Eighteenth J. Steward Johnson Lecture to the Marine Policy Centre, Woods Hole Oceanographic Institution, at Woods Hole, Massachusetts, on June 14, 1991.