

IV. CORE COURSE [CCECO104]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

The Mid Semester Examination shall have three components. (a) Two Semester Internal Assessment Test (SIA) of 20 Marks each, (b) Class Attendance Score (CAS) of 5 marks and (c) Class Performance Score (CPS) of 5 marks. "**Best of Two**" shall be applicable for computation of marks for SIA.

(Attendance Upto 75%, 1 mark; 75 < Attd. < 80, 2 marks; 80 < Attd. < 85, 3 marks; 85 < Attd. < 90, 4 marks; 90 < Attd, 5 marks).

ECONOMICS OF ENVIRONMENT**Theory: 60 Lectures; Tutorial: 15 Hrs****Module I:****Economics of Natural Resources, Sustainable Development and Environmental Accounting**

Meaning and Characteristics of Environmental Goods; Theories of Optimal use of exhaustible and renewable resources; Environmental and Development trade – off and the concept of sustainable development; Integrated environmental and economic accounting and the measurement of environmentally corrected GDP; Macroeconomic policies and Environment. Environmental Kuznets Curve, The Theory of Environmental Externalities, Pigouvian Taxes and subsidies, Coase's bargaining solution and collective action, New model of pollution control, Environmental Regulations and Enforcement.

Module II: Measurement of Environmental Values

Rationale for valuation of environment; concept of Total Economic Values, direct and indirect methods of Valuation; Methods based on response to hypothetical markets, Contingent valuation methods. Travel Cost method; Hedonic Pricing Method.

Module III: Environmental and Natural Resource Problems and Policies in India

Mechanism for environment regulation in India; Environmental laws and their implementation; National Environmental Policy; Water Policy; Forest Conservation Act; Forest regulation Act; WTO and environment; Climate change and International Agreements.

Basic Reading List

- Bhattacharya, R.N. (2006): Environmental Economics, An Indian Perspective, Oxford University Press, New York.
- Divan Shyam and Armin Rosencranz (2008): Environmental Law and Policy in India, Cases, Material and Statutes, Oxford University Press, New York.
- Ganesamurthy, V.S. (2009): Environmental Economics in India, New Century Publications, New Delhi, India.
- Sankar, Ulaganthan (2006): Environmental Economics, Oxford University Press, New York.
- T. Eugene (2008): Environmental Economics, Vrinda Publications (P) Ltd.
- Tietenberg, Tom (2004): Environmental and Natural Resource Economics, Pearson Education.