

SARDAR PATEL UNIVERSITY
Programme & Subject: M.A (Political Science)
Semester: III
Syllabus with Effect from: June – 2010/2011

Paper Code:PA03EPOS02	Total Credit: 4
Title Of Paper: Environmental Problems in India	

Unit	Description in Detail	Weightage (%)
I	Sustainable Development Concepts, definitions, and dimensions of sustainable development- Trade-off between environment and development- Integrated environmental and economic accounting and measurement of environmentally corrected GDP- Macroeconomic policies and environment.	20%
II	(A) Urbanisation and Population Growth Extent and trends of growth- Environmental issues- Policy measures to stabilize unwieldy growth. (B) Land Resources Land resources in India- Optimum land use pattern and environment- Extent and magnitude of land degradation- Measures to conserve land resources. (C) Forests Resources Importance of forests from ecology and economic point of view- Growth and development of forests in India- Extent of deforestation- Forest Policy in India- Measures to conserve and promote forestry. (D) Water Resources Nature and development of water resources- Environmental issues: waterlogging and salinity- Water Use Efficiency (WUE) in irrigation sector- Measures and prospects of water conservation in India- Sardar Sarovar Project (SSP) and environment.	20%
III	Chemical Fertilisers and Pesticides Impact of chemical fertiliser and pesticides on agriculture and environment- Measures safeguarding environment against their adverse effects.	20%
IV	Quality of Air Air quality standards for human habitation: residential, industrial and sensitive areas- Air pollution: Sources and magnitude of air pollution- Measures to control air pollution.	20%
V	(A) Role of Household sector in Environmental Degradation Demand side factors- Major consumption activities of households: Use of energy (fuel wood), use of plastics, sewerage, solid waste disposal, tourism etc- Role of education- Policy formulation. (B) International Environmental Issues Depletion of Ozone Layer-Deforestation-Global Warming-Acid Rain-Wild Life Management Issues relating to exploitation of Oceans etc	20%

Basic Text & Reference Books:-

- Asian Development Bank (ADB) (2000). India: Mainstreaming Environment for Sustainable Development.
- Bhattacharya, R.N. (Ed.) (2001). Environmental Economics: An Indian Perspective, Oxford University Press.



- Brandon, C.K. Hommann and N.M. Kishor (1995). **The Cost of Inaction: Valuing the Economy-wide Costs of Environmental Degradation in India.** Paper presented at the UNU Conference on **the Sustainable Future of the Global System**, organised by the United Nations University/Institute of Advanced Studies, National Institute for Environmental Studies, Tokyo, Japan, Oct. 16-18.
- Field, Barry C. and Martha Field (2002). Environmental Economics: An Introduction (3rd ed.). McGraw-Hill Irwin.
- GOI (1999). Economic Survey-1998-99: Promoting Sustainable Development: Challenges for Environment Policy, New Delhi.
- Pachauri, R.K. and P.V. Sridhar (Eds.) (1998). Looking Back to Think Ahead, Tata Energy Research Institute (TERI), New Delhi.
- Sankar, U. (Ed.) (2001). Environmental Economics, Oxford University Press.
- Sengupta, R.P. (2001). Ecology and Economics: An Approach to Sustainable Development. Oxford University Press, New Delhi.
- World Bank (1992). Development and the Environment- World Development Report- 1992, Oxford University Press.
- World Bank (1995). Economic Developments in India: Achievements and Challenges, Washington DC.
- World Resources Institute (WRI) (1993). **Dimensions of Sustainable Development**, in World Resources- 1992-93, Washington DC.

