

SO-E201: Environment & Sustainable Development

Unit – I

Environment & its components - Abiotic & biotic factors. Ecosystem. Biotic relations in the ecosystem. Biogeochemical cycles. Environmental Pollution – Causes, effects and control measures of Air, Water, Soil and Noise pollution.

Unit – II

Natural Resources & associated problem, Forest resources, deforestation. Water resources: floods, drought, conflicts over water, dams-benefits and problems.

Mineral resources: environmental effects of extracting and using mineral resources, Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, Energy resources: Growing energy needs, renewable and non-renewable energy sources.

Unit – III

Introduction to Biodiversity, Global Distribution of Biodiversity. India as a mega-diversity nation. The Value of Biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man wildlife conflicts. Endangered and endemic species of India Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Unit – IV

From unsustainable to sustainable development, Urban problems related to energy, Water conservation, rain water harvesting, watershed management. Energy and Environment – Use of Solar Energy Technologies, bio-energy, Hydropower and Wind Energy.

Resettlement and rehabilitation of people; its problems and concerns. Environmental ethics: Issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, Wasteland reclamation, Solid waste management.=

Unit – V

Environmental Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act, Issues involved in enforcement of environmental legislation, Public awareness.

Global Concerns - Environment Dimensions of Globalization, International Summits and Declarations, International Environmental Laws and Agreements, Role of United Nations, NGO Initiatives, Greening of Business.

Books recommended

1. Environmental Management, Sustainable Development and Human Health by Eddie N. Laboy-Nieves, Eddie Nelson Laboy, CRC Press, 2008
2. The human impact on the natural environment: past, present, and future by Andrew Goudie. Wiley-Blackwell, 2006.
3. The Economics of Sustainable Development: The Case of India by Surender Kumar, Shunsuke Managi. Springer
4. Dimensions in Environmental and Ecological Economics by Sahu, Nirmal Chandra & Choudhury, Amita Kumari, Environment and Bio
5. An Introduction To Biodiversity by Goel, B R, ARISE PUBLISHERS & DISTRIBUTORS
6. Basics of Environmental Science (Basics Of The Hard Sciences), Srivastav, Sweta, ANMOL PUBLICATIONS PVT. LTD.

SO-E202-Disaster Management

Unit-I

- Introduction to Disaster Management
- Fundamentals of Disaster Management
- Disaster Management –Risk Assessment and vulnerability assessment
- Disaster Management policy & its importance

Unit -II

- Categories of disaster Management
- Understanding natural Disasters
- Water & Climate related Disasters
- Geological Disasters
- Understanding Man made/Anthropogenic disasters
- Disaster Profile of India
- Disaster profile in Kashmir
- J &K vulnerability to earthquakes

Unit-III

- Earthquake disaster prevention and impact reduction-an overview
- Urban flood management and drought management
- Disaster management mechanisms
- Various Districts, national and international agencies involved in disaster management. Role of NGO,s
- Community based initiatives in disaster Management, need for community based approach

Unit-IV

- Emerging approaches in disaster management
- 1)Pre-disaster Phase(Preparedness)
 - a) Preparing hazard Zoning maps, predictability/forecasting and warning
 - b) Preparing disaster preparedness plan, land zoning
 - c) Preparedness through (IEC) information, education and communication, awareness
- 2)Emergency stage
 - a) Training in rescue and search operations
 - b) Immediate relief and assessment surveys
- Post Disaster Stage
 - Rehabilitation, political, social and environmental aspects

Unit-V

- Disaster Mitigation-Base concepts, structured and non –structured mitigation
- Disaster management policy –principles, components and significance.
- Disaster management plans-formulation, execution and significances
- The adjustment of human population to natural hazards and disasters and role of media.
- Relationship between disasters and development
- Disaster management for sustainable development
- Public health in Disaster Management

SO-E203 HUMAN RIGHTS

OBJECTIVE OF THE COURSE

Human Rights are those rights which every individual enjoys irrespective of his position in the Society. All human beings are entitled to certain basic rights and they have been accepted both at domestic as well as at international level. Human Rights is a generic term and it embraces all civil, social, political, economic and cultural rights. It is necessary for all human beings to have a basic knowledge and understanding of these rights. The object of this paper is to create general awareness amongst the students in particular and through them amongst the general public.

UNIT-I : INTRODUCTION

1. Human Rights, Nature, Concept, Origin and Development
2. Classification of Human Rights
 - (i) *Civil and Political Rights*
 - (ii) *Economic, Social, Cultural and Religious Rights*
3. International Human Rights Law
 - (i) *Human Rights and UN Charters*
 - (ii) *Commission on Human Rights*
 - (iii) *International Covenants on various rights*
 - (iv) *Universal Declaration of Human Rights*

UNIT-II : HUMAN RIGHTS AND INDIAN CONSTITUTION

1. Fundamental Rights, its Evolution and Relation with Human Rights
2. Fundamental Rights and State
3. Right to Equality
4. Right to Personal Liberty
5. Educational and Religious Rights
6. Right to Constitutional Remedies
 - (i) *Habeaus Corpus*
 - (ii) *Mandamus*
 - (iii) *Certiorari*
 - (iv) *Quo Warranto*

UNIT-III : HUMAN RIGHTS AND STATE

1. Police and Human Rights
 - (i) *Right of Arrested Person*
 - (ii) *Role of Police in Protection of Human Rights*
2. Prisoners Rights
 - (i) *Right to Legal Aid*
 - (ii) *Right to Fair Wages*
 - (iii) *Right to Bail*
 - (iv) *Right to Life*
3. Role of Judiciary in Protection of Human Rights
4. Constitutional and Working of NHRC and SHRC with special reference on Protection of Human Rights

UNIT-IV : HUMAN RIGHTS AND VULNERABLE GROUPS

1. Concept and Development of Humanitarian Law
2. Human Rights in Conflict Situations
3. Women and Human Rights
 - (i) *General Disparity*
 - (ii) *Infanticide, Foeticide*
 - (iii) *Maintenance of Wives*
 - (iv) *Cruelty, Dowry Death*
 - (v) *Harassment at Workplaces*
 - (vi) *Role of Women Commissions*
 - (vii) *Beijing Declaration*
4. Child and Human Rights
 - (i) *Child Labour*
 - (ii) *Child in Conflict with Law*
 - (iii) *Child in need of Care and Protection*
 - (iv) *Child Marriages*
 - (v) *Street Children*
 - (vi) *Child Sexual Abuse*
5. Right if Minorities and Refugees
6. Crimes against Humanity
 - (i) *Genocide*
 - (ii) *Torture*
 - (iii) *Capital Punishment*

UNIT-V : CITIZENS ROLE AND CIVIL SOCIETY

1. Development and Importance of Public Interest Litigations
2. Role of NGO's
3. Role of Media
4. Right to Information

Recommended Readings:

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| 1. Khare, S.C. | Human Rights and United States |
| 2. Agarwal, H.O | International Law and Human Rights |
| 3. Malik and Raval | Law and Social Transformation |
| 4. J. Darren | Human Rights-An Introduction |
| 5. Richard Pierce | Human Rights in World Community |
| 6. Qadri, S.M.A. | Criminology |
| 7. Shukla | Constitution of India |
| 8. Seervai | Constitution of India |
| 9. Awasthi | Human Rights |
| 10. Balachandran & Vargese R | Introduction to International Humanitarian Law |