

**List of courses in each programmes related to environment and sustainability,  
Gender Sensitization, human values and professional ethics are:**

Sl. No.	Program Name	Course Name	Thrust Area
1	B.Sc. Electronics	Environmental Awareness and Human Rights	Environment and Sustainability, Human Value
2	B.C.A.	IT and Environment	Multidisciplinary nature of environmental studies
3	B.A.	Constitutional Law	Human Values
		Issues that Matter	Human Values
		Public Relations and Advertisement	Human Values, Gender
		Environmental Science& Human Rights	Environment and Sustainability, Human Value
		Women Writing	Gender
4	B.B.A.	Human Resource Management	Sustainability, Human Value
		Personality Development and Management Skills (Minor Project)	Human Values
		Environment Science and Human Rights	Environment and Human Value
		Intellectual Property Rights and Industrial Laws	Human Values
		Communication Skills and Personality development	Human Values
		Business Ethics	Professional ethics
		Intellectual Property Rights and Industrial Revolution Laws	Human Values
5	B.Com.	Environment Management and Human Rights	Environment and Sustainability, Human Value

**In addition to the courses in the syllabus, college conducts various programmes related to these cross cutting issues. Some of them are:**

Year	Name of the Program	Organizer	Theme
2013-14	Two-Day Workshop on “Role of Women in Nation Building” on January 8-9, 2014.	Women’ cell	Gender Sensitization
2015-16	Training camp NIRBHAYA	Women’ cell	Gender Sensitization, Human Values
2015-16	Work shop for self defence	Janamythri Police’ Piravom	Gender Sensitization
2015-16	Counselling Sessions to overcome their stress related issues	Women’ cell	Human Values
2016-17	Interaction session with activist and transgender Mx Vijayarajamallika on 13 <sup>th</sup> January 2017	Women’ cell	Gender Sensitization
2016-17	Visit to Pelican Centre-empathy sharing for mentally challenged on February 8 <sup>th</sup> 2017	Women’ cell	Human Values
2016-17	flash mob on the theme ‘gender sensitization’ on 8 <sup>th</sup> March 2017	Women’ cell	Gender Sensitization
2016-17	Cultural exchange	Women’ cell	Human Values
2017-18	Awareness on health and hygiene	Women’ cell	Human Values
2017-18	Seminar on “Healthy Relations” on 1 <sup>st</sup> March 2018	Women’ cell	Gender Sensitization, Human Values
2017-18	Poster Making Contest on the topic “Breaking Stereotypes” and a pencil drawing competition on “Women in your Perspective”	Women’ cell	Gender Sensitization
2017-18	Charity – “Hair Cuts for a cause”	Women’ cell	Human Values

✓ *The NSS Unit, NCC Unit and other clubs of the college organizes various programmes related to environment and sustainability, Gender Sensitization, human values and professional ethics.*

# **SYLLABUS**

## ➤ Environmental Awareness and Human Rights

### **Module I**

#### **Unit 1 : Multidisciplinary nature of environmental studies (2 Hours)**

Definition, scope and importance Need for public awareness.

#### **Unit 2 : Natural Resources (10 Hours)**

Renewable and non-renewable resources : Natural resources and associated problems.

a) **Forest resources:** Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people.

b) **Water resources :** Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

c) **Mineral resources :** Use and exploitation, environmental effects of extracting and using mineral resources, case studies.

d) **Food resources :** World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.

e) **Energy resources:** Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, Case studies.

f) **Land resources:** Land as a resource, land degradation, man induced and slides, soil erosion and desertification

- Role of individual in conservation of natural resources.
- Equitable use of resources for sustainable life styles.

#### **Unit 3: Ecosystems (6 Hours)**

- Concept of an ecosystem
- Structure and function of an ecosystem
- Producers, consumers and decomposers
- Energy flow in the ecosystem
- Ecological succession
- Food chains, food webs and ecological pyramids.
- Introduction, types, characteristic features, structure and function of the given ecosystem:-  
Forest ecosystem

## **Module II**

### **Unit 1: Biodiversity and its conservation (8 Hours)**

- Introduction
- Biogeographical classification of India
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
- India as a mega-diversity nation
- Hot-spots of biodiversity
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts
- Endangered and endemic species of India

### **Unit 2: Environmental Pollution (8 Hours)**

Definition

Causes, effects and control measures of: -

- a. Air pollution
  - b. Water pollution
  - c. Soil pollution
  - d. Marine pollution
  - e. Noise pollution
  - f. Thermal pollution
  - g. Nuclear hazards
- Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
  - Role of an individual in prevention of pollution
  - Pollution case studies
  - Disaster management: floods, earthquake, cyclone and landslides.

### **Unit 3: Social Issues and the Environment (10 Hours)**

- Urban problems related to energy
- Water conservation, rain water harvesting, watershed management
- Resettlement and rehabilitation of people: its problems and concerns, Case studies
- Environmental ethics: Issues and possible solutions
- Climate change, global warming, acid rain, ozone layer depletion , nuclear accidents and holocaust, Case studies

- Consumerism and waste products
- Environment 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

### **Module III (10 Hours)**

#### **E- Waste**

Global E-waste growth- Global and local E-waste definition, Global e-waste/WEEE growth and migration, WEEE/e-waste growth in India, The Hazardous waste rules 2003, The Municipal Solid Wastes Rules 2000

**Text Book:** E-waste: Implications, Regulations and Management in India and Current Global Best Practices, Edited by Rakesh Johri, The Energy and Resources Institute, New Delhi (Chapter 1)

### **Module IV (10 Hours)**

#### **E-Waste Recycling**

Optimal Planning for computer waste, Re-cycling of e-scrap in a global environment- opportunities and challenges, Technologies for recovery of resources from electronic waste.

**Text Book:** E-waste: Implications, Regulations and Management in India and Current Global Best Practices, Edited by Rakesh Johri, The Energy and Resources Institute, New Delhi (Chapter 10,12)

### **Module – V (8 Hours)**

**Unit 1- Human Rights**– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

**Unit-2 Human Rights and United Nations** – contributions, main human rights related organs - UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights.

**Human Rights in India** – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

**Unit-3 Environment and Human Rights** - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment

**Conservation of natural resources and human rights:** Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasturi Rangan report. Over exploitation of ground water resources, marine fisheries, sand mining etc.

**Internal: Field study**

- Visit to a local area to document environmental grassland/ hill /mountain
- Visit a local polluted site – Urban/Rural/Industrial/Agricultural Study of common plants, insects, birds etc
- Study of simple ecosystem-pond, river, hill slopes, etc

(Field work Equal to 5 lecture hours)

➤ **IT and Environment**

**Unit 1 :** (18 hrs.)

**Multidisciplinary nature of environmental studies :** Definition, scope and importance, Need for public awareness. (2 hrs)

**Natural Resources:** Renewable and non-renewable resources: Natural resources and associated problems. a) **Forest resources:** Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. b) **Water resources:** Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. c) **Mineral resources:** Use and exploitation, environmental effects of extracting and using mineral resources, case studies. d) **Food resources:** World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. e) **Energy resources:** Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies. f) **Land resources:** Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of individual in conservation of natural resources. Equitable use of resources for sustainable life styles. (10hrs)

**Ecosystems :** Concept of an ecosystem, Structure and function of an ecosystem, Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids., Introduction, types, characteristic features, structure and function of the given ecosystem:- Forest ecosystem

## **Unit 2:** (26 hrs)

**Biodiversity and its conservation:** Introduction, Biogeographical classification of India, Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values., India as a mega-diversity nation, Hot-spots of biodiversity, Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, Endangered and endemic species of India ( **8 hrs**)

**Environmental Pollution :**Definition, Causes, effects and control measures of: - Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards, Solid waste Management: Causes, effects and control measures of urban and industrial wastes., Role of an individual in prevention of pollution, Pollution case studies, Disaster management: floods, earthquake, cyclone and landslides. (**8 hrs**)

**Social Issues and the Environment :**Urban problems related to energy, Water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of people: its problems and concerns,

Case studies, Environmental ethics: Issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion , nuclear accidents and holocaust, Case studies, Consumerism and waste products, Environment 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. (**10hrs**)

## **Unit 3:** (10 hrs.)

Internet as a knowledge repository, academic search techniques, creating cyber presence. Academic websites, open access initiatives, opens access publishing models, Introduction to use of IT in teaching and learning -Educational software, Academic services–INFLIBNET, NPTEL, NICNET, BRNET . (**10hrs**)

## **Unit 4:** (10 hrs.)

IT & Society- issues and concerns- digital divide, IT & development, the free software movement , IT industry: new opportunities and new threats, software piracy, cyber ethics, cyber crime, cyber threats, cyber security, privacy issues, cyber laws, cyber addictions, information overload, health issues- guide lines for proper usage of computers, internet and mobile phones. e-wastes and green computing, impact of IT on language & culture-localization issues- Unicode-IT and regional languages, Green Computing Concept. (**10hrs**)

## **Unit 5:** (8 hrs.)

**Human Rights**– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

**Human Rights and United Nations** – contributions, main human rights related organs -

UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights. **Human Rights in India** – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

**Environment and Human Rights** - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment

**Conservation of natural resources and human rights:** Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasthuriengan report. Over exploitation of ground water resources, marine fisheries, sand mining etc. (8 Hrs)

### **Internal: Field study**

- Visit to a local area to document environmental grassland/ hill /mountain
- Visit a local polluted site – Urban/Rural/Industrial/Agricultural Study of common plants, insects, birds etc

Study of simple ecosystem-pond, river, hill slopes, etc

(Field work Equal to 5 lecture hours)

### ➤ Constitutional Law

## **UNIT I**

Salient features of Indian constitution – The preamble Fundamental rights and duties – Directive principles of state policy. The Union parliament.

## **UNIT II**

Centre – State relations – Govt. of the union – Union executive – The President – Vice – president – The council of ministers – Govt. of the state – The role of Governor- The state Legislature.

## **UNIT III**



Freedom of the press and parliamentary privileges Press freedom – Rights and restrictions under the constitution of India Constitutional limitations.

#### **UNIT IV**

Indian judicial system – Supreme Court and the judicial review – Emergency provisions Articles 352m 356m 360 of the constitutions.

#### **UNIT V**

Procedure for the amendment of the constitution of India – The Election commission: Structure, powers and functions – secularism in India.

#### ➤ Issues that Matter

##### **Module 1 (18 hours)**

Luigi Pirandello: War

Judith Wright: The Old Prison

Arundhati Roy: Public Power in the Age of Empire

##### **Module 2 (18 hours)**

Bertolt Brecht: The Burning of the Books

W. H. Auden: Refugee Blues

Romila Thapar: What Secularism is and Where it Needs to be Headed

##### **Module 3 (18 hours)**

Zitkala- Sa: A Westward Trip

Bandhumadhav: The Poisoned Bread

Temsula Ao: The Pot Maker

##### **Module 4 (18 hours)**

Khushwant Singh: A Hosanna to the Monsoons

Ayyappa Paniker: Where are the woods, children?

Sarah Joseph: *Gift in Green* [chapter 2] - Hagar: A Story of a Woman and Water

## **Module 5 (18 hours)**

Ghassan Kanafani: Six Eagles and a Child

Sanchari Pal: The Inspiring Story of How Sikkim Became India's Cleanest State

Indrajit Singh Rathore: Hermaphrodite

### ➤ **Public Relations and Advertisement**

#### **UNIT I**

Public Relations – Definition Scope and history Functions and responsibilities of a public relations manager organizational set up of public relations organization.

#### **UNIT II**

Public relations in public and private sectors – public relations in Government – Method and ethics of public relations – public relation codes – Professional Organizations.

#### **UNIT III**

Public relation tools – Press release, exhibitions, information and publicity campaigns, open house, house journals, company and its publics.

#### **UNIT IV**

History and growth of advertising – Functions of advertising – Types of advertising – structure of an ad – Principles of copy writing – Visualization, advertisement campaigns – Sports and Advertising.

#### **UNIT V**

Advertising agency- Structure and operation – Advertising research – code of ethics in advertising – professional agencies – socio – economic aspects of advertising.

## ➤ Environmental Science & Human Rights

### **Module I (18 hours)**

**Unit 1:** Multidisciplinary nature of environmental studies - Definition, scope and importance  
Need for public awareness.

**Unit 2:** Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems.

a) Forest resources: Use and over-exploitation, deforestation: case studies – Timber extraction, mining, dams and their effects on forest and tribal people.

b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources: case studies.

d) Food resources: World food problems - changes caused by agriculture and overgrazing - effects of modern agriculture – fertilizer & pesticide problems – water logging – salinity: case studies.

e) Energy resources: Growing energy needs - renewable and non renewable energy sources - use of alternate energy sources: case studies.

f) Land resources: Land as a resource - land degradation - man induced landslides – soil erosion and desertification. Role of individual in conservation of natural resources - Equitable use of resources for sustainable life styles.

**Unit 3:** Ecosystems

Concept of an ecosystem - Structure and function of an ecosystem - Producers, consumers and decomposers - Energy flow in the ecosystem. Ecological succession - Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the given ecosystem - Forest ecosystem

### **Module II (26 hours)**

**Unit 1:** Biodiversity and its conservation

Introduction - Bio-geographical classification of India Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. India as a mega-diversity nation. Hotspots of biodiversity Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts - Endangered and endemic species of India

**Unit 2:** Environmental Pollution

Definition - Causes, effects and control measures of: Air pollution - Water pollution – Soil pollution - Marine pollution - Noise pollution - Thermal pollution - Nuclear hazards Solid Waste Management: Causes, effects and control measures of urban and industrial wastes Role of an individual in prevention of pollution - Pollution case studies Disaster management: floods, earthquake, cyclone and landslides

### **Unit 3: Social Issues and the Environment**

Urban problems related to energy - Water conservation, rain water harvesting, watershed management Resettlement and rehabilitation of people: its problems and concerns: case studies Environmental ethics: Issues and possible solutions Climate change, global warming, acid rain, ozone layer depletion , nuclear accidents and holocaust: case studies - Consumerism and waste products Environment 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

### **Module III (10 hours)**

Jean Giono: *The Man Who Planted Trees*

K. Satchitanandan: *Hiroshima Remembered*

### **Module IV (10 hours)**

Bessie Head: *Heaven is not Closed*

Safdar Hashmi: *Machine*

### **Module V (26 hours)**

#### **Unit 1: Human Rights**

An Introduction to Human Rights: Meaning, concept and development - Three Generations of Human Rights (Civil and Political Rights, Economic, Social and Cultural Rights).

**Unit 2:** Human Rights and United Nations Contributions, main human rights related organs - UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights. Human Rights in India – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

#### **Unit 3: Environment and Human Rights**

Right to Clean Environment and Public Safety Issues of Industrial Pollution - Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies - Issues of Waste Disposal - Protection of Environment Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of Western Ghats: Mention Gadgil committee report, Kasthuri Rangan report. Over-exploitation of ground water resources, marine fisheries, sand mining, etc.

### **Internal: Field study**

Visit to a local area to document environmental grassland/ hill /mountain Visit a local polluted site: Urban/Rural/Industrial/Agricultural Study of common plants, insects, birds, etc Study of simple ecosystem: pond, river, hill slopes, etc  
(Field work Equal to 5 lecture hours)

### ➤ Women Writing

#### **Module 1 [Essays] (36 hours)**

Betty Friedan: The Problem that has No Name (Chapter 1 of *The Feminine Mystique*)  
Elaine Showalter: Towards a Feminist Poetics  
Patricia Hill Collins: Mammies, Matriarchs and Other Controlling Images (Chapter 4 of *Black Feminist Thought* pp. 79-84)

#### **Module 2 [Poetry] (18 hours)**

Anna Akhmatova: Lot's Wife  
Mamta Kalia: After Eight Years of Marriage  
Julia Alvarez: Women's Work  
Meena Alexander: House of a Thousand Doors  
Sutapa Bhattacharya: Draupadi  
Kristine Batey: Lot's Wife  
Vijayalakshmi: Bhagavatha

#### **Module 3 [Short Fiction] (18 hours)**

Charlotte Perkins Gilman: The Yellow Wallpaper  
Willa Cather: A Wagner Matinee  
Isabel Allende: And of the Clay We Created  
Sara Joseph: The Passion of Mary

#### **Module 4 [Fiction] (18 hours)**

Alice Walker: *The Color Purple*

## ➤ Human Resource Management

### **MODULE- I**

Definition, Nature, scope, role, objective of Personnel management, level of management, Organisation of Personnel Dept. its functions, Ergonomics, Challenger and relevance of HRM. Manpower planning.

### **MODULE- II**

Recruitment - Sources of recruitment, Selection- Selection process, Training - Definition. Types of training Executive Development.

### **MODULE- III**

Performance Appraisal, techniques Promotion, Career Planning.

### **MODULE- IV**

Job analysis, Job Design, Job Evaluation Wage. Definition, Factors affecting wage policy, Wage Boards Fringe Benefits, Prerequisites, Incentives, Bonus, Profit sharing, VRS, Maintenance of service files pension.

### **MODULE- V**

Drafting charge sheets, Model standing orders, code of conduct, Bond of service, wage & salary records, E.S.I, P.F. Gratuity, pension and bonus records.

## ➤ Personality Development and Management Skills (Minor Project)

### **Objectives:**

The students will have the opportunity to explore current management literature so as to develop an individual style and sharpen his skills in the area of leadership, communication, decision making, motivation and conflict management.

### **Minor Project and Presentation**

Minor projects are taken that added to the knowledge of the students. Atopic shall give each student in the beginning of the semester in various areas of management. The presentation Project either comprises of either the following.

### **Project Presentation**

**OR**

### **Case study Presentation\***

Suggested Topics for Minor Projects:

1. Goals of an Organization
2. Work values
3. Character Ethics
4. Working Conditions
5. Decision Making Strategies
6. Goal Setting
7. Customer Satisfaction and
8. Any other relevant topic chooses by the student or assigned by the college.

\* Case study can be chosen by the students in this respective area of interest.

### ➤ **Environment Science and Human Rights**

## **MODULE I**

### **Multidisciplinary nature of environmental studies**

Definition, scope and importance Need for public awareness.

**Natural Resources :** Renewable and non-renewable resources : Natural resources and associated problems.

a) Forest resources : Use and over-exploitation, deforestation, case studies.

Timber extraction, mining, dams and their effects on forest and tribal people.

b) Water resources : Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

c) Mineral resources : Use and exploitation, environmental effects of extracting and using mineral resources, case studies.

d) Food resources : World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.

e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, Case studies.

f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification

- Role of individual in conservation of natural resources.
- Equitable use of resources for sustainable life styles.

Ecosystems

- Concept of an ecosystem
- Structure and function of an ecosystem
- Producers, consumers and decomposers
- Energy flow in the ecosystem
- Ecological succession
- Food chains, food webs and ecological pyramids.
- Introduction, types, characteristic features, structure and function of the given ecosystem:-  
Forest ecosystem

## **MODULE II**

### **Biodiversity and its conservation**

Introduction, Biogeographical classification of India ,Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. India as a mega-diversity nation, Hot-spots of biodiversity, Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, Endangered and endemic species of India

### **Environmental Pollution**

Definition, Causes, effects and control measures of: -

- a. Air pollution
- b. Water pollution
- c. Soil pollution
- d. Marine pollution
- e. Noise pollution
- f. Thermal pollution
- g. Nuclear hazards

Solid waste Management: Causes, effects and control measures of urban and industrial wastes, Role of an individual in prevention of pollution, Pollution case studies, Disaster management: floods, earthquake, cyclone and landslides

**Social Issues and the Environment-** Urban problems related to energy, Water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of people: its problems and concerns, Case studies, Environmental ethics: Issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, Case studies, Consumerism and waste products, Environment 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

### **MODULE III**

#### **Introduction to Environment and Business**

Introduction of ways in which business has and is responding to environmental and business issues; business and sustainable development; issues of corporate/business greening.

### **MODULE IV**

#### **Green entrepreneurship**

What is green entrepreneurship, definition, meaning, scope, nature and characteristics. Green entrepreneurship in India. Difference between conventional and green entrepreneurship.

### **MODULE V**

**Human Rights**– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

**Human Rights and United Nations** – contributions, main human rights related organs - UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights.

**Human Rights in India** – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

Environment and Human Rights - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment

**Conservation of natural resources and human rights:** Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasthuriengan report. Over exploitation of ground water resources, marine fisheries, sand mining etc.

#### **Internal: Field study**

1. Visit to a local area to document environmental grassland/ hill /mountain
2. Visit a local polluted site – Urban/Rural/Industrial/Agricultural Study of common plants, insects, birds etc
3. Study of simple ecosystem-pond, river, hill slopes, etc  
(Field work Equal to 5 lecture hours)

## ➤ Intellectual Property Rights and Industrial Laws

### **MODULE - I Introduction to Intellectual property Rights**

Concept; patents; term and registration of patents; Rights of patent holder; infringement of patents; Trademark: Meaning; procedure for registration; infringement of registered trademark; Collective marks - certification trademarks-well known trade mark.

### **MODULE - II: Law relating to factories**

Approval, licensing and registration of factories; provisions regarding health, safety and welfare of workers; working hours; employment of women and young persons. Annual leave with wages.

### **MODULE -III: Law relating to Industrial Disputes**

Meaning of industry; machinery for the prevention and settlement of industrial disputes. Provisions relating to strikes, lay off, retrenchment, lock out, closure and transfer of undertakings.

### **MODULE - IV: Law relating to employees' state insurance**

Applicability of the Act- administration of the scheme- ESI corporation-standing committee and medical benefit council- inspectors- contributions-benefits under the Act – adjudication of disputes.

### **MODULE -V: Consumer Protection Act**

Definitions- Consumer Protection Councils- central and state consumer protection councils- objects-consumer disputes redressal agencies-composition of the District Forum-Jurisdiction of the District Forum-procedure for filing complaints- composition and jurisdiction of State Commission-composition ,jurisdiction and powers of the National Commission-procedure applicable to state and national commission-Appeal-Dismissal of frivolous or vexatious complaints-penalties.

## ➤ Communication Skills and Personality development

### **MODULE I: Speeches & Presentation**

Speeches - Characteristics of a good speech, How to make speech effective Presentation - Planning, preparation, organising, rehearsing & Delivery. How to make Presentation, The various presentation tools along with guidelines of effective presentation, Boredom factors of presentation and How to overcome them, Interactive Presentation and Presentation as a part of job Interview.

### **MODULE II: Brief business messages**

Crafting messages for electronic media, choosing media for brief messages- email, instant messaging, text messaging, blogs, and wikis. creating effective email messages, instant messages, text messages, business blogs.

### **MODULE III: Employment messages and Job interviews**

Resume Writing skills, Guide lines for good Resume, Writing application letters and other employment messages, application follow-ups, understanding the interviewing process, common types of interviews, preparing for a job interview, stages of every interview-warm-up, question answer session and close. Follow-up after an interview.

### **MODULE IV: Group Discussion**

GD Leadership, GD protocol, Guidelines for GD participants, debate and extempore.

### **MODULE V**

Audio video recording and Dialogue session on current topics- economy-education system-environment-politics.

## ➤ Environment Management and Human Rights

### **Module I ( 18 Hours)**

#### **Unit 1 : Multidisciplinary nature of environmental studies (2 Hours)**

Definition, scope and importance -need for public awareness.

#### **Unit 2 : Natural Resources :**

Renewable and non-renewable resources : Natural resources and associated problems.

**Forest resources** : Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. -**Water resources** : Use and overutilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. **Mineral resources** : Use and exploitation, environmental effects of extracting and using mineral resources, case studies. **Food resources** : World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. **Energy resources**: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies. **Land resources**: Land as a resource, land degradation, man induced landslides, soil erosion and desertification - Role of individual in conservation of natural resources- Equitable use of resources for sustainable life styles. ( **10 Hours**)

### **Unit 3: Ecosystems**

Concept of an ecosystem -Structure and function of an ecosystem -Producers, consumers and decomposers- Energy flow in the ecosystem -Ecological succession-Food chains, food webs and ecological pyramids-Introduction, types, characteristic features, structure and function of the given ecosystem:- Forest ecosystem ( **6 Hours**)

## **Module II ( 26 Hours)**

### **Unit 1: Biodiversity and its conservation**

Introduction –Bio geographical classification of India -Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values-India as a mega-diversity nation-Hotspots of biodiversity-Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts-Endangered and endemic species of India ( **8 Hours**)

### **Unit 2: Environmental Pollution**

Definition, Causes, effects and control measures of: - Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards, Solid waste Management: Causes, effects and control measures of urban and industrial wastes-Role of an individual in prevention of pollution, Pollution case studies, Disaster management: floods, earthquake, cyclone and landslides. ( **8 Hours**)

### **Unit 3: Social Issues and the Environment**

Urban problems related to energy, Water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of people: its problems and concerns, Case studies, Environmental ethics: Issues and possible solutions,-Climate change, global warming, acid rain, ozone layer depletion , nuclear accidents and holocaust, Case studies- Consumerism and waste products- Environment 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 ( **10 Hours**)

### **Module – III ( 15 Hours)**

**Recent developments-** Green Accounting- Meaning- History- Scope and Importance- Importance- Advantages and limitations- Green Banking- Meaning- benefits- coverage- steps in green banking- environmental risks for banks- Green banking initiatives- International initiatives- Initiatives in India- Green Marketing- Meaning- Need and benefits- Challenges- Green marketing in India- Green washing and consequences- Eco tourism- significance- eco tourism activities in India- Opportunities and challenges – carbon credit and carbon exchanges (over view only) - Environmental audit- concept- need and scope **(15 Hours)**

### **Module – IV (13 Hours)**

Right to Information Act 2005- Basic terms- Public authority- Competent authority- Appropriate Government- Third Part- Information – record- Right to information- Objectives of the Act- Features of the Act- Obligation of Public authority- Procedure for request of information- time limit- fee- ground of rejection- appeal- exemption from disclosure- Right to access information on specific issues- Banking transactions, insurance transactions, government dealing and related services ( **13 Hours**)

### **Module – V (18 Hours)**

**Unit 1- Human Rights**– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

**Unit-2 Human Rights and United Nations** – contributions, main human rights related organs UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights.

**Human Rights in India** – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

**Unit-3 Environment and Human Rights** - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment

**Conservation of natural resources and human rights:** Reports, Case studies and policy formulation. Conservation issues of Western Ghats- mention Gadgil committee report, Kasthurirangan report. Over exploitation of ground water resources, marine fisheries, sand mining etc. **(18 Hours)**

**Assignment may include Field study involving**

1. Visit to a local area to document environmental grassland/ hill /mountain
2. Visit a local polluted site – Urban/Rural/Industrial/Agricultural Study of common plants, insects, birds etc
3. Study of simple ecosystem-pond, river, hill slopes, etc