



**BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI- 620 024**

**ENVIRONMENTAL STUDIES – Syllabus (updated on 21.11.2016)**

**(Applicable to the candidates admitted from the Academic year 2016-17 onwards)**

- Unit: 1**      The Multidisciplinary nature of environmental studies  
Definition, scope and importance. (2 lectures)  
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 forests 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 resources, land degradation, man induced Landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
  - Equitable use of resources for sustainable lifestyles.
- (8 lectures)
- 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 following ecosystem:-

- a. Forest ecosystem
- b. Grassland ecosystem
- c. Desert ecosystem
- d. Aquatic ecosystems, (ponds, streams, lakes, rivers, oceans, estuaries)

(6 lectures)

#### **Unit: 4      Biodiversity and its conservation**

- Introduction – Definition : Genetic, species and ecosystem diversity
- Biogeographical classification of India
- Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values
- Biodiversity at global, National and local levels
- 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
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

(8 lectures)

#### **Unit: 5      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.
  - Ill-Effects of Fireworks: Firework and Celebrations, Health Hazards, Types of Fire, Firework and Safety

**Unit: 6                    Social Issues and the Environment**

- From Unsustainable to Sustainable development.
  - 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.
  - Wasteland reclamation.
  - 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.

(7 lectures)

**Unit: 7                    Human Population and the Environment**

- Population growth, variation among nations.
- Population explosion – Family Welfare Programmes
- Environment and human health
- Human Rights - Value Education
- HIV/ AIDS - Women and Child Welfare
- Role of Information Technology in Environment and human health
- Case studies.

**Unit: 8                    Field Work**

- Visit to a local area to document environmental assets-river / forest/ grassland/ hill / mountain

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20. Trivedi R.K. Handbook of Environmental Laws, Rules, Guidelines, Compliances and Standards, Vol. I and II, Enviro Media (R).
21. Trivedi R.K. and P.K. Goel, Introduction to air pollution, Techno-Science Publications (TB).
22. Wagner K.D. 1998 Environmental Management. W.B. Saunders Co. Philadelphia USA 499 p

(M) Magazine            (R) Reference    (TB) Textbook

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**Bharathidasan University, Tiruchirappalli – 24**

## **Gender Studies**

### **Objectives**

- ❖ To make boys and girls aware of each others strengths and Weakness.
- ❖ To develop sensitivity towards both genders in order to lead an ethically enriched life.
- ❖ To promote attitudinal change towards a gender balanced ambience and women empowerment .

### **Unit – I**

**Concepts of Gender:** Sex – Gender – Biological Determinism – Patriarchy – Feminism – Gender Discrimination – Gender Division of labour – Gender Stereotyping – Gender Sensitivity – Gender Equity – Equality – Gender Mainstreaming - Empowerment.

### **Unit – II**

**Women’s Studies vs Gender Studies :** UGC’s Guidelines – VII to XI Plans – Gender Studies : Beijing Conference and CEDAW – Exclusiveness and Inclusiveness.

### **Unit – III**

**Areas of Gender Discrimination :** Family – Sex Ratio – Literacy – Health – Governance – Religion Work Vs Employment – Market – Media – Politics – Law – Domestic Violence – Sexual Harassment – State Policies and Planning .

### **Unit – IV**

**Women Development and Gender Empowerment :** Initiatives – International Women’s Decade – International Women’s Year – National Policy for Empowerment of Women – Women Empowerment Year 2001 – Mainstreaming Global Policies .

### **Unit – V**

**Women’s Movements and Safeguarding Mechanism :** In India National /State Commission for Women(NCW) – All Women Police Station – Family Court – Domestic Violence Act – Prevention of Sexual Harassment at Work Place Supreme Court Guidelines – Maternity Benefit Act – PNDT Act – Hindu Succession Act 2005 – Eve Teasing Prevention Act – Self Help Groups – 73<sup>rd</sup> and 74<sup>th</sup> Amendment for PRIS

## பாலின சமத்துவம்

### அலகு - I

**பாலினம் தொடர்பான கோட்பாடுகள் :**பாலியல் - பாலினம் - உடற்கூறுரீதியாக நிர்ணயித்தல் - ஆணாதிக்கம் - பெண்ணியம் - பாலின பாகுபாடு - பாலின வேலைப்பாகுபாடு - பாலின ஒருபடித்தானவைகள் - பாலின உணர்வூட்டல் - பாலின சமவாய்ப்பு - பாலின சமத்துவம் - பாலின மையநீரோட்டமாக்கல் - அதிகாரப்படுத்துதல்

### அலகு -II

**மகளிரியல் Vs பாலின சமத்துவக்கல்வி -** பல்கலைக்கழக மானியக்குழுவின் வழிக்காட்டுதல்கள் - ஏழாவது ஐந்தாண்டுதிட்டம் முதல் பதினோராவது ஐந்தாண்டுதிட்டம் - பாலின சமத்துவக்கல்வி : பெய்ஜிங் மாநாடு மற்றும் பெண்களுக்கு எதிரான அனைத்து வன்முறைகளையும் ஒழிப்பதற்கான சர்வதேச உடன்படிக்கை - இணைத்தல் /உட்படுத்துதல் - ஒதுக்கல் -

### அலகு - III

**பாலியல் பாகுபாட்டிற்கான தளங்கள் :** குடும்பம் - பாலின விகிதாச்சாரம் - கல்வி - ஆரோக்கியம் - ஆளுமை -மதம் - வேலை Vs வேலை வாய்ப்பு - சந்தை - ஊடகங்கள் - அரசியல் - சட்டம் -குடும்ப வன்முறை -பாலியல் துன்புறுத்தல் - அரசு கொள்கைகள் மற்றும் திட்டங்கள் .

### அலகு - IV

**பெண்கள் மேம்பாடு மற்றும் பாலின சமத்துவ மேம்பாடு :** முயற்சிகள் - சர்வதேச பெண்களுக்கான தசாப்தம் - சர்வதேச பெண்கள் ஆண்டு - பெண்களின் மேம்பாட்டிற்கான தேசிய கொள்கை - பெண்கள் அதிகார ஆண்டு 2001 - சர்வதேச கொள்கைகளை மைய நீரோட்டமாக்கல்

### அலகு - V

**பெண்கள் இயக்கங்கள் மற்றும் பாதுகாப்பு நிறுவன ஏற்பாடுகள் :** தேசிய மற்றும் மாநில மகளிர் ஆணையம் - அனைத்து மகளிர் காவல் நிலையங்கள் - குடும்ப நீதி மன்றங்கள் - குடும்ப வன்முறையிலிருந்து பெண்களைப் பாதுகாக்கும் சட்டம் 2005 - பணியிடங்களில் பெண்கள் மீதான பாலியல் துன்புறுத்தல்களை தடுப்பதற்கான உச்சநீதிமன்ற வழிகாட்டுதல்கள் - தாய்சேய் சேமநலச்சட்டம் - பெண்சிசுவை கருவிலேயே கண்டறியும் தொழில் நுட்பம் (முறைப்படுத்துதல் மற்றும் தவறாக பயன்படுத்துதலை தடை செய்திடும் ) சட்டம் - ஈவ்ஹிங் (பெண்களை தொல்லை செய்தல் ) தடுப்புச்சட்டம் - சுய உதவிக் குழுக்கள் - பஞ்சாயத்து அமைப்புகளுக்கான 73வது மற்றும் 74வது சட்டத்திருத்தம்.

## References

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16. Mishra .O.P, Law Relating to Women &Child ,Allahabad :Central Law Agency ,2001
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22. பொன்.கிருஷ்ணசாமி,ஜே.பால் பாஸ்கர்&ஆ.ஜான் வின்சென்ட், பெண்களும் உச்ச நீதிமன்றமும், மதுரை :சோக்கோ வாசகர் வட்டம், 2004
23. வனஜா &சியாமா சுந்தரி, பெண்களுக்கான சட்டங்கள், செகந்திராபாத் : உலகத்தோழமை மையம்
24. க.உமாசங்கர், பி.பாலசுந்தர், க.சசிகலா, செ.பழனிச்சாமி, சூரியன் (பெண்கள் தொடர்பான சட்டங்கள் குறித்த தொடக்கநிலை கையேடு: செகந்திராபாத்: உலகத்தோழமை மையம்,2006
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26. Women's Integrated National Development Trust
27. ரவீந்திரநாத். ஜி.ஆர்., 'ராகிங் ஒழிப்போம்!' 'ஈவடிசிங்' ஒழிப்போம், சென்னை I.D.P.D.வெளியீடு

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**MANAGERIAL SKILLS**  
**(For MCA AND MBA Programmes only)**

**Learning Objective**

The learning objective of this course is to enable the students to learn the art of getting things done in the modern business world by learning topics like lateral thinking, decision making, balancing work and life, corporate social responsibility, and work ethics.

**UNIT I : THINKING STRATEGIES**

Strategic thinking – meaning – questions- things included in Strategic thinking – Process consideration in Strategic thinking – Strategic thinking competencies – importance of Strategic thinking – characteristics of Strategic Thinkers – Points to be kept in mind in Strategic thinking.

Lateral Thinking – meaning – why Lateral Thinking – when to use Lateral Thinking – Benefits of Lateral Thinking – Techniques used in Lateral Thinking – Who needs Lateral Thinking – How to use Lateral Thinking? – Conventional Vs Lateral Leaders – Questions asked by Lateral Leaders – becoming a Lateral leader

**UNIT II : INTERPERSONAL STRATEGIES**

Conflict Resolution – meaning – points to be understood before studying conflict resolution – sources of conflict – common reactions to conflict – role of perception in conflict – steps for Conflict Resolution – Conflict handling matrix – Functional and Dysfunctional outcome of conflict.

Negotiation skills – process – styles – outcome – principles involved – negotiation model – being a negotiator – qualities of a negotiator.

**UNIT III : IMPLEMENTATION STRATEGIES**

Facing changes – meaning – characteristics – why changes – pace of changes – impact of resistance – Reasons for resistance – types of people in facing changes – introducing change. Facing challenges – meaning – importance – path to facing challenges – benefits of facing challenges.

**UNIT IV : ACTION BASED STRATEGIES**

Risk taking - meaning – factors determining Risk Taking – Risk management – users of Risk Management – Steps in Risk Management.

Effective decision making – meaning – approaches – methods – steps – Decision making at the work place.



## **UNIT V : BEHAVIOURAL STRATEGIES**

Motivation and Staying motivated – meaning – finding reason for being motivated – staying motivated at work place – staying motivated in negative work environment – staying motivated during crisis.

Balancing work and life – meaning – work satisfaction – gender differences – responsibility of the employers and employees – ways of balancing work and life – handling professional and personal demands – organizing your desk.

### **TEXT BOOK:**

Alex K. (2012) Soft Skills – Know Yourself & Know the World, S.Chand & Company LTD, Ram Nagar, New Delhi- 110 055. Mobile No :94425 14814 (Dr. K. Alex)

### **REFERENCE BOOKS:**

1. Meena.K and V.Ayothi (2013) A Book on Development of Soft Skills (Soft Skills : A Road Map to Success), P.R. Publishers & Distributors, No, B-20 & 21, V.M.M. Complex, Chatiram Bus Stand, Tiruchirappalli- 620 002.(Phone :0431-2702824: Mobile : 94433 70597, 98430 74472)
2. Emotional Quotient – Daniel Goleman
3. Power of the Plus factor – Norman Vincent Peale.
4. The Seven Habits of Highly Effective people – Stephen Covey.

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**SOFT SKILLS DEVELOPMENT****Learning Objective**

Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.

**Unit I**

Know Thyself/ Understanding Self

Introduction to Soft skills-Self discovery-Developing positive attitude-Improving perceptions-Forming values

**Unit II**

Interpersonal Skills/ Understanding Others

Developing interpersonal relationship-Team building-group dynamics-Net working-Improved work relationship

**Unit III**

Communication Skills / Communication with others

Art of listening-Art of reading-Art of speaking-Art of writing-Art of writing e-mails-e mail etiquette

**Unit IV**

Corporate Skills / Working with Others

Developing body language-Practising etiquette and mannerism-Time management-Stress management

**Unit V**

Selling Self / Job Hunting

Writing resume/cv-interview skills-Group discussion- Mock interview-Mock GD – Goal setting - Career planning

**TEXT BOOKS:**

Meena.K and V.Ayothi (2013) A Book on Development of Soft Skills (Soft Skills : A Road Map to Success), P.R. Publishers & Distributors, No, B-20 & 21, V.M.M. Complex, Chatiram Bus Stand, Tiruchirappalli- 620 002.

(Phone No: 0431-2702824; Mobile No: 94433 70597, 98430 74472)

Alex K. (2012) Soft Skills – Know Yourself & Know the World, S.Chand & Company LTD, Ram Nagar, New Delhi- 110 055.

Mobile No : 94425 14814 (Dr.K.Alex)

**REFERENCE BOOKS:**

- (i) Developing the leader within you John c Maxwell
- (ii) Good to Great by *Jim Collins*
- (iii) The seven habits of highly effective people Stephen Covey
- (iv) Emotional Intelligence Daniel Goleman
- (v) You can win Shive Khera
- (vi) Principle centred leadership Stephen Covey

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**Applicable to the candidates admitted from the Academic year 2018-19 onwards**

**Part IV - VALUE EDUCATION (Revised Syllabus)**

**Unit I : Philosophy of Life and Social Values**

Human Life on Earth (Kural 629) Purpose of Life (Kural 46) Meaning and Philosophy of Life (Kural 131, 226) Family (Kural 45), Peace in Family (Kural 1025) Society (Kural 446), The Law of Life (Kural 952), Brotherhood (Kural 807) Five responsibilities / duties of Man (a) to himself (b) to his family (c) to his environment (d) to his society, (e) to the Universe in his lives (Kural 43, 981).

**Unit II : Human Rights and Organizations**

Definitions, Nature of Human Rights. Universal Declaration of Human Rights, International covenant on Civil and Political Rights - International covenant of Economic, Social and Cultural Rights. Amnesty International Red Cross.

Contemporary Challenges: Child Labour – Women's Right - Bonded Labour - Problems of refugees - Capital punishment. National and State Human Rights Commissions

**Unit III : RTI Act, 2005 & Consumer Protection Act, 1986**

Definition of RTI Act, 2005 and obligations of Public Authorities – The Central Information Commission – The State Information Commission – Powers and Functions of the Information Commissions – Appeal and Penalties.

Definition of The Consumer Protection Act, 1986 – State and Central Consumer Protection Councils – Consumer Disputes Redressal Agencies.

**Unit IV : Yoga and Health**

Definition, Meaning, Scope of Yoga - Aims and objectives of Yoga - Yoga Education with modern context - Different traditions and schools of Yoga - Yoga practices: Asanas, Pranayama and Meditation.

**Unit V : Role of State Public Service Commission**

Constitutional provisions and formation - Powers and Functions - Methods of recruitment - Rules and notification, syllabi for different exams - written and oral - placement.

**BOOKS FOR REFERENCES:**

1. Thirukkural with English Translation of Rev. Dr. G.U. Pope, Uma Publication, 156, Serfoji Nagar, Medical College Road, Thanjavur 613 004
2. திருக்குறள் - ஜி.யு.போப் - ஆங்கில மொழியாக்கத்துடன் உமா நூல். வெளியீட்டகம், தஞ்சாவூர்.
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