

# 7.1.9

## VALUES, RIGHTS, DUTIES AND RESPONSIBILITIES OF A CITIZEN

### A. CURRICULAR ASPECTS

#### 1. Courses on Values and Ethics

##### Uploaded Documents

No	Scheme	Syllabus copies as per curriculum	Page No
1	2018 Scheme	Constitution of India, Professional Ethics and Cyber Law	1
2	2017 Scheme	Constitution of India, Professional Ethics and Human Rights	3
3	2015 Scheme	Constitution of India, Professional Ethics and Human Rights	6
4	2010 Scheme	Constitution of India and Professional Ethics	8
5	2018 Scheme	Environmental studies	9
6	2017 Scheme	Environmental studies	11
7	2015 Scheme	Environmental studies	14
8	2010 Scheme	Environmental studies	17
9	2016 Scheme	Work Place Ethics and Value System (MBA)	19
10	2014 Scheme	Work Place Ethics and Value System (MBA)	21

B. E. Common to all Programmes Outcome Based Education (OBE) and Choice Based Credit System (CBCS) SEMESTER - III CONSTITUTION OF INDIA, PROFESSIONAL ETHICS AND CYBER LAW (CPC)			
Course Code	18CPC39/49	CIE Marks	40
Teaching Hours/Week (L:T:P)	(1:0:0)	SEE Marks	60
Credits	01	Exam Hours	02
<b>Course Learning Objectives: To</b> <ul style="list-style-type: none"> <li>• know the fundamental political codes, structure, procedures, powers, and duties of Indian government institutions, fundamental rights, directive principles, and the duties of citizens</li> <li>• Understand engineering ethics and their responsibilities; identify their individual roles and ethical responsibilities towards society.</li> <li>• Know about the cybercrimes and cyber laws for cyber safety measures.</li> </ul>			
<b>Module-1</b>			
<b>Introduction to Indian Constitution:</b> The Necessity of the Constitution, The Societies before and after the Constitution adoption. Introduction to the Indian constitution, The Making of the Constitution, The Role of the Constituent Assembly - Preamble and Salient features of the Constitution of India. Fundamental Rights and its Restriction and limitations in different Complex Situations. Directive Principles of State Policy (DPSP) and its present relevance in our society with examples. Fundamental Duties and its Scope and significance in Nation building.			
<b>Module-2</b>			
<b>Union Executive and State Executive:</b> Parliamentary System, Federal System, Centre-State Relations. Union Executive – President, Prime Minister, Union Cabinet, Parliament - LS and RS, Parliamentary Committees, Important Parliamentary Terminologies. Supreme Court of India, Judicial Reviews and Judicial Activism. State Executives – Governor, Chief Minister, State Cabinet, State Legislature, High Court and Subordinate Courts, Special Provisions (Articles 370,371,371J) for some States.			
<b>Module-3</b>			
<b>Elections, Amendments and Emergency Provisions:</b> Elections, Electoral Process, and Election Commission of India, Election Laws. Amendments - Methods in Constitutional Amendments (How and Why) and Important Constitutional Amendments. Amendments – 7,9,10,12,42,44, 61, 73,74, ,75, 86, and 91,94,95,100,101,118 and some important Case Studies. Emergency Provisions, types of Emergencies and its consequences. <b>Constitutional special provisions:</b> Special Provisions for SC and ST, OBC, Women, Children and Backward Classes.			
<b>Module-4</b>			
<b>Professional / Engineering Ethics:</b> Scope & Aims of Engineering & Professional Ethics - Business Ethics, Corporate Ethics, Personal Ethics. Engineering and Professionalism, Positive and Negative Faces of Engineering Ethics, Code of Ethics as defined in the website of Institution of Engineers (India): Profession, Professionalism, and Professional Responsibility. Clash of Ethics, Conflicts of Interest. Responsibilities in Engineering Responsibilities in Engineering and Engineering Standards, the impediments to Responsibility. Trust and Reliability in Engineering, IPRs (Intellectual Property Rights), Risks, Safety and liability in Engineering			
<b>Module-5</b>			
<b>Internet Laws, Cyber Crimes and Cyber Laws:</b> Internet and Need for Cyber Laws, Modes of Regulation of Internet, Types of cyber terror capability, Net neutrality, Types of Cyber Crimes, India and cyber law, Cyber Crimes and the information Technology Act 2000, Internet Censorship, Cybercrimes and enforcement agencies.			
<b>Course Outcomes:</b> On completion of this course, students will be able to,			

CO 1: Have constitutional knowledge and legal literacy. CO 2: Understand Engineering and Professional ethics and responsibilities of Engineers. CO 3: Understand the the cybercrimes and cyber laws for cyber safety measures.				
<b>Question paper pattern for SEE and CIE:</b> <ul style="list-style-type: none"> <li>The SEE question paper will be set for 100 marks and the marks scored by the students will proportionately be reduced to 60. The pattern of the question paper will be objective type (MCQ).</li> <li>For the award of 40 CIE marks, refer the University regulations 2018.</li> </ul>				
Sl. No.	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
<b>Textbook/s</b>				
1	Constitution of India, Professional Ethics and Human Rights	Shubham Singles, Charles E. Haries, and et al	Cengage Learning India	2018
2	Cyber Security and Cyber Laws	Alfred Basta and et al	Cengage Learning India	2018
<b>Reference Books</b>				
3	Introduction to the Constitution of India	Durga Das Basu	Prentice -Hall,	2008.
4	Engineering Ethics	M. Govindarajan, S. Natarajan, V. S. Senthilkumar	Prentice -Hall,	2004

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

## Constitution of India, Professional Ethics and Human Rights (CPH)

(Common to all branches)

[As per Outcome Based Education(OBE) and Choice Based Credit System (CBCS) scheme]  
(Effective from the academic year 2018-19)

Course Code	: 17CPH39/49	SEE Marks: 30
Contact Hours/Week	: 01 hr Theory /week	CIE Marks: 20
Total Hours	: 15	Exam: 02 hr
Semester	: III / IV	Credit: 1

**Course Learning Objectives:** This course (17CPH39/49) will enable the students

- To assimilate and get familiarized with basic information about Indian constitution and provide overall legal literacy to the young technocrats to manage complex societal issues in the present scenario.
- To identify their individual roles and ethical responsibilities towards society.
- To understand engineering ethics & responsibilities, through the learning of these topics students will be able to understand human rights/ values and its implications in their life.

### MODULE- I

#### Introduction and Basic Information about Indian Constitution

- The Necessity of the Constitution, The Societies before and after the Constitution adoption.
- Introduction to the Indian constitution, The making of the Constitution, The Role of the Constituent Assembly - Preamble and Salient features of the Constitution of India. Fundamental Rights and its Restriction and limitations in different Complex Situations.
- Directive Principles of State Policy (DPSP) & its present relevance in our society with examples. Fundamental Duties and its Scope and significance in Nation building.

(Duration: 03 Hours & RBT Levels: L1, L2 & L3 )

### MODULE- II

#### Union Executive and State Executive

- Parliamentary System, Federal System, Centre-State Relations.
- Union Executive – President, Prime Minister, Union Cabinet, Parliament - LS and RS, Parliamentary Committees, Important Parliamentary Terminologies. Supreme Court of India, Judicial Reviews and Judicial Activism.
- State Executives – Governor , Chief Minister, State Cabinet, State Legislature, High Court and Subordinate Courts, Special Provisions (Article 370,371,371J) for some States.

(Duration: 03 Hours & RBT Levels: L1, L2 & L3)

## **MODULE-III**

### **Elections, Amendments and Emergency Provisions**

- Elections, Electoral Process, and Election Commission of India, Election Laws.
- Amendments - Methods in Constitutional Amendments (How and Why) and Important Constitutional Amendments. Amendments – 7,9,10,12,42,44, 61, 73,74, ,75, 86, and 91,94,95,100,101,118 and some important Case Studies. Recent Amendments with explanation. Important Judgements with Explanation and its impact on society (from the list of Supreme Court Judgements).
- Emergency Provisions, types of Emergencies and it's consequences.

**(Duration: 03 Hours & RBT Levels: L1, L2 & L3)**

## **Module- IV**

### **Constitutional Provisions/ Local Administration/ Human Rights**

- Special Constitutional Provisions for SC & ST, OBC, Special Provision for Women, Children & Backward Classes.
- Local Administration : Powers and functions of Municipalities and Panchyats System. Co – Operative Societies and Constitutional and Non-constitutional Bodies.
- Human Rights/values – Meaning and Definitions, Legislative Specific Themes in Human Rights and Functions/ Roles of National Human Rights Commission of India. Human Rights (Amendment Act)2006.

**(Duration: 03 Hours & RBT Levels: L1, L2 & L3)**

## **MODULE- V**

### **Professional / Engineering Ethics**

- Scope & Aims of Engineering & Professional Ethics - Business Ethics, Corporate Ethics, Personal Ethics. Engineering and Professionalism, Positive and Negative Faces of Engineering Ethics, Code of Ethics as defined in the website of Institution of Engineers (India) : Profession, Professionalism, Professional Responsibility. Clash of Ethics, Conflicts of Interest.

### **Responsibilities in Engineering**

- Responsibilities in Engineering and Engineering Standards, the impediments to Responsibility.Trust and Reliability in Engineering, IPRs (Intellectual Property Rights),
- Risks, Safety and liability in Engineering.

**(Duration: 03 Hours & RBT Levels: L1, L2 & L3)**

## Course Outcomes: On completion of this course, students will be able to,

- CO1: Have general knowledge and legal literacy about Indian Constitution and there by it helps to take up competitive examinations & to manage/face complex societal issues in society.
- CO2: Understand state and central policies( Union and State Executive), fundamental Rights & their duties.
- CO3: Understand Electoral Process, Amendments and special provisions in Constitution.
- CO4: Understand powers and functions of Municipalities, Panchayats and Co-operative Societies, with Human Rights and NHRC.
- CO5: Understand Engineering & Professional ethics and responsibilities of Engineers.

## Question paper pattern for SEE and CIE.

- The **SEE question paper will be set for 30 marks** and the pattern of the **question paper will be objective type (MCQ)**.
- For the award of **20 CIE marks**, refer the University Scheme and Syllabus book.

## Text Books

- 1) **Durga Das Basu (DD Basu):** “Introduction to the Constitution on India”, (Students Edition.) Prentice –Hall EEE, 19th / 20th Edn., (Latest Edition) or 2008.
- 2) **Shubham Singles, Charles E. Haries, and Et al :** “Constitution of India and Professional Ethics” by Cengage Learning India Private Limited, Latest Edition – 2018.

## Reference Books

1. **M.Govindarajan, S.Natarajan, V.S.Senthilkumar**, “Engineering Ethics”, Prentice –Hall of India Pvt. Ltd. New Delhi, 2004
2. **M.V.Pylee**, “An Introduction to Constitution of India”, Vikas Publishing, 2002.
3. Latest Publications of **NHRC - Indian Institute of Human Rights**, New Delhi.

## Web Links and Video Lectures

[www.unacademy.com/lesson/future-perfect-tense/YQ9NSNQZ](http://www.unacademy.com/lesson/future-perfect-tense/YQ9NSNQZ)

<https://successesacademy>

## CONSTITUTION OF INDIA, PROFESSIONAL ETHICS & HUMAN RIGHTS

Subject Code	15CPH18/15CPH28	IA Marks	10
Number of Lecture Hours/Week	02	Exam Marks	40
Total Number of Lecture Hours	25	Exam Hours	02

### Course objectives:

1. To provide basic information about Indian constitution.
2. To identify individual role and ethical responsibility towards society.
3. To understand human rights and its implications

### Module 1

Introduction to the Constitution of India, The Making of the Constitution and Salient features of the Constitution. **2 Hours**

Preamble to the Indian Constitution Fundamental Rights & its limitations. **3 Hours**

### Module 2

Directive Principles of State Policy & Relevance of Directive Principles State Policy Fundamental Duties. **2 Hours**

Union Executives – President, Prime Minister Parliament Supreme Court of India. **3 Hours**

### Module 3

State Executives – Governor Chief Minister, State Legislature High Court of State. **2 Hours**

Electoral Process in India, Amendment Procedures, 42<sup>nd</sup>, 44th, 74th, 76th, 86th & 91<sup>st</sup> Amendments. **3 Hours**

### Module 4

Special Provision for SC & ST Special Provision for Women, Children & Backward Classes

Emergency Provisions. Human Rights –Meaning and Definitions, Legislation Specific Themes in Human Rights- Working of National Human Rights Commission in India **3 Hours**

Powers and functions of Municipalities, Panchyats and Co - Operative Societies. **2 Hours**

### Module 5

Scope & Aims of Engineering Ethics, Responsibility of Engineers Impediments to Responsibility. **2 Hours**

Risks, Safety and liability of Engineers, Honesty, Integrity & Reliability in Engineering.

**3 Hours**

## **Course outcomes:**

After study of the course, the students are able to

- Have general knowledge and legal literacy and thereby to take up competitive examinations
- Understand state and central policies, fundamental duties
- Understand Electoral Process, special provisions
- Understand powers and functions of Municipalities, Panchayats and Co-operative Societies, and
- Understand Engineering ethics and responsibilities of Engineers.
- Have an awareness about basic human rights in India

## **Text Books:**

1. Durga Das Basu: **“Introduction to the Constitution on India”**, (Students Edn.) Prentice –Hall EEE, 19<sup>th</sup> / 20<sup>th</sup> Edn., 2001
2. Charles E. Haries, Michael S Pritchard and Michael J. Robins **“Engineering Ethics”** Thompson Asia, 2003-08-05.

## **Reference Books:**

1. M.V.Pylee, **“An Introduction to Constitution of India”**, Vikas Publishing, 2002.
2. M.Govindarajan, S.Natarajan, V.S.Senthilkumar, **“Engineering Ethics”**, Prentice –Hall of India Pvt. Ltd. New Delhi, 2004
3. Brij Kishore Sharma, **“Introduction to the Constitution of India”**, PHI Learning Pvt. Ltd., New Delhi, 2011.
4. Latest Publications of Indian Institute of Human Rights, New Delhi.

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## CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS

Sub Code	: 10CIP18/10CIP28	IA Marks	: 25
Hrs/ Week	: 02	Exam Hours	: 02
Total Hrs.	: 26	Exam Marks	: 50

- 1 Preamble to the constitution of India. Fundamental rights under Part – III – details of Exercise of rights, Limitations & Important cases.  
**4 Hours**
- 2 Relevance of Directive principles of State Policy under Part – IV. Fundamental duties & their significance.  
**3 Hours**
- 3 Union Executive – President, Prime Minister, Parliament & the Supreme Court of India.  
**3 Hours**
- 4 State executive – Governors, Chief Minister, State Legislator and High Courts.  
**3 Hours**
- 5 Constitutional Provisions for Scheduled Castes & Tribes, Women & Children & Backward classes. Emergency Provisions.  
**4 Hours**
- 6 Electoral process, Amendment procedure, 42nd, 44th, 74th, 76th, 86th and 91st Constitutional amendments.  
**3 Hours**
- 7 Scope & aims of engineering Ethics. Responsibility of Engineers. Impediments to responsibility.  
**3 Hours**
- 8 Honesty, Integrity and reliability, risks, safety & liability in engineering.  
**3 Hours**

### Text Books:

1. Durga Das Basu: "Introduction to the Constitution of India" (Students Edn.) Prentice – Hall EEE, 19<sup>th</sup>/20<sup>th</sup> Edn., 2001.
2. "Engineering Ethics" by Charles E.Hartes, Michael. S.Pritchard and Michael J.Robins Thompson Asia, 2003-08-05.

### Reference Books:

1. "An Introduction to Constitution of India" by M.V.Pylee, Vikas Publishing, 2002.
2. "Engineering Ethics" by M. Govindarajan, S.Natarajan, V.S. Senthilkumar., Prentice – Hall of India Pvt. Ltd. New Delhi, 2004.

### Scheme of examination:

Question paper is of objective type. Students have to pass this subject compulsorily. However, marks will not be considered for awarding class/rank.

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B. E. COMMON TO ALL PROGRAMMES				
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)				
SEMESTER – V				
ENVIRONMENTAL STUDIES				
Course Code	18CIV59	CIE Marks	40	
Teaching Hours / Week (L:T:P)	(1:0:0)	SEE Marks	60	
Credits	01	Exam Hours	02	
<b>Module - 1</b>				
Ecosystems (Structure and Function): Forest, Desert, Wetlands, Riverine, Oceanic and Lake. Biodiversity: Types, Value; Hot-spots; Threats and Conservation of biodiversity, Forest Wealth, and Deforestation.				
<b>Module - 2</b>				
Advances in Energy Systems (Merits, Demerits, Global Status and Applications): Hydrogen, Solar, OTEC, Tidal and Wind. Natural Resource Management (Concept and case-studies): Disaster Management, Sustainable Mining, Cloud Seeding, and Carbon Trading.				
<b>Module - 3</b>				
Environmental Pollution (Sources, Impacts, Corrective and Preventive measures, Relevant Environmental Acts, Case-studies): Surface and Ground Water Pollution; Noise pollution; Soil Pollution and Air Pollution. Waste Management & Public Health Aspects: Bio-medical Wastes; Solid waste; Hazardous wastes; E-wastes; Industrial and Municipal Sludge.				
<b>Module - 4</b>				
Global Environmental Concerns (Concept, policies and case-studies):Ground water depletion/recharging, Climate Change; Acid Rain; Ozone Depletion; Radon and Fluoride problem in drinking water; Resettlement and rehabilitation of people, Environmental Toxicology.				
<b>Module - 5</b>				
Latest Developments in Environmental Pollution Mitigation Tools (Concept and Applications): G.I.S. & Remote Sensing, Environment Impact Assessment, Environmental Management Systems, ISO14001; Environmental Stewardship- NGOs. Field work: Visit to an Environmental Engineering Laboratory or Green Building or Water Treatment Plant or Waste water treatment Plant; ought to be Followed by understanding of process and its brief documentation.				
Course Outcomes: At the end of the course, students will be able to:				
<ul style="list-style-type: none"><li>• CO1: Understand the principles of ecology and environmental issues that apply to air, land, and water issues on a global scale,</li><li>• CO2: Develop critical thinking and/or observation skills, and apply them to the analysis of a problem or question related to the environment.</li><li>• CO3: Demonstrate ecology knowledge of a complex relationship between biotic and abiotic components.</li><li>• CO4: Apply their ecological knowledge to illustrate and graph a problem and describe the realities that managers face when dealing with complex issues.</li></ul>				
<b>Question paper pattern:</b>				
<ul style="list-style-type: none"><li>• The Question paper will have 100 objective questions.</li><li>• Each question will be for 01 marks</li><li>• Student will have to answer all the questions in an OMR Sheet.</li><li>• The Duration of Exam will be 2 hours.</li></ul>				
Sl. No.	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
Textbook/s				

1	Environmental Studies	Benny Joseph	Tata Mc Graw – Hill.	2 <sup>nd</sup> Edition, 2012
2.	Environmental Studies	S M Prakash	Pristine Publishing House, Mangalore	3 <sup>rd</sup> Edition* 2018
3	Environmental Studies – From Crisis to Cure	R. Rajagopalan	Oxford Publisher	2005
<b>Reference Books</b>				
1	Principals of Environmental Science and Engineering	Raman Sivakumar	Cengage learning, Singapur.	2 <sup>nd</sup> Edition, 2005
2	Environmental Science – working with the Earth	G.Tyler Miller Jr.	Thomson Brooks /Cole,	11 <sup>th</sup> Edition, 2006
3	Text Book of Environmental and Ecology	Pratiba Sing, Anoop Singh& Pryush Malaviya	Acme Learning Pvt. Ltd. New Delhi.	1 <sup>st</sup> Edition

## ENVIRONMENTAL STUDIES

[As per Choice Based Credit System (CBCS) scheme]

(Effective from the academic year 2017 -2018)

### SEMESTER - I/II

Subject Code	17CIV18/17CIV28	IA Marks	20
Number of Lecture Hours/Week	02	Exam Marks	30
Total Number of Lecture Hours	25	Exam Hours	02

#### Course Objectives:

1. To identify the major challenges in environmental issues and evaluate possible solutions.
2. Develop analytical skills, critical thinking and demonstrate socio-economic skills for sustainable development.
3. To analyze an overall impact of specific issues and develop environmental management plan.

#### Module - 1

Introduction: Environment - Components of Environment Ecosystem: Types & Structure of Ecosystem, Balanced ecosystem Human Activities – Food, Shelter, And Economic & Social Security. **2 Hours**

Impacts of Agriculture & Housing Impacts of Industry, Mining & Transportation Environmental Impact Assessment, Sustainable Development. **3 Hours**

#### Module - 2

Natural Resources, Water resources – Availability & Quality aspects, Water borne diseases & water induced diseases, Fluoride problem in drinking water Mineral resources, Forest Wealth Material Cycles – Carbon Cycle, Nitrogen Cycle & Sulphur Cycle. **2 Hours**

Energy – Different types of energy, Conventional sources & Non Conventional sources of energy Solar energy, Hydro electric energy, Wind Energy, Nuclear energy, Biomass & Biogas Fossil Fuels, Hydrogen as an alternative energy. **3 Hours**

<p><b>Module -3</b></p> <p>Environmental Pollution – Water Pollution, Noise pollution, Land Pollution, Public Health Aspects. <b>2 Hours</b></p> <p>Global Environmental Issues: Population Growth, Urbanization, Land Management, Water &amp; Waste Water Management. <b>3 Hours</b></p>
<p><b>Module -4</b></p> <p>Air Pollution &amp; Automobile Pollution: Definition, Effects – Global Warming, Acid rain &amp; Ozone layer depletion, controlling measures. <b>3 Hours</b></p> <p>Solid Waste Management, E - Waste Management &amp; Biomedical Waste Management - Sources, Characteristics &amp; Disposal methods. <b>2 Hours</b></p>
<p><b>Module - 5</b></p> <p>Introduction to GIS &amp; Remote sensing, Applications of GIS &amp; Remote Sensing in Environmental Engineering Practices. <b>2 Hours</b></p> <p>Environmental Acts &amp; Regulations, Role of government, Legal aspects, Role of Non-governmental Organizations (NGOs) , Environmental Education &amp; Women Education. <b>3 Hours</b></p>
<p><b>Course Outcome:</b></p> <p>Students will be able to,</p> <ol style="list-style-type: none"> <li>1. Understand the principles of ecology and environmental issues that apply to air, land, and water issues on a global scale,</li> <li>2. Develop critical thinking and/or observation skills, and apply them to the analysis of a problem or question related to the environment,</li> <li>3. Demonstrate ecology knowledge of a complex relationship between biotic and abiotic components</li> <li>4. Apply their ecological knowledge to illustrate and graph a problem and describe the realities that managers face when dealing with complex issues</li> </ol>
<p><b>Text Books:</b></p>

1. Benny Joseph (2005), **“Environmental Studies”**, Tata McGraw – Hill Publishing Company Limited.
2. R.J.Ranjit Daniels and Jagadish Krishnaswamy, (2009), **“Environmental Studies”**, Wiley India Private Ltd., New Delhi.
3. R Rajagopalan, **“Environmental Studies – From Crisis to Cure”**, Oxford University Press, 2005,
4. Aloka Debi, **“Environmental Science and Engineering”**, Universities Press (India) Pvt. Ltd. 2012.

**Reference Books:**

1. Raman Sivakumar, **“Principals of Environmental Science and Engineering”**, Second Edition, Cengage learning Singapore, 2005
2. P. Meenakshi, **“Elements of Environmental Science and Engineering”**, Prentice Hall of India Private Limited, New Delhi, 2006
3. S.M. Prakash, **“Environmental Studies”**, Elite Publishers Mangalore, 2007
4. Erach Bharucha, **“Text Book of Environmental Studies”**, for UGC, University press, 2005
5. G.Tyler Miller Jr., **“Environmental Science – working with the Earth”**, Tenth Edition, Thomson Brooks /Cole, 2004
6. G.Tyler Miller Jr., **“Environmental Science – working with the Earth”**, Eleventh Edition, Thomson Brooks /Cole, 2006
7. Dr.Pratiba Sing, Dr.AnoopSingh and Dr.Piyush Malaviya, **“Text Book of Environmental and Ecology”**, Acme Learning Pvt. Ltd. New Delhi.

## **ENVIRONMENTAL STUDIES**

**[As per Choice Based Credit System (CBCS) scheme]**

**[Effective from the academic year 2015 -2016]**

### **SEMESTER - I/II**

Subject Code	15CIV18/15CIV28	IA Marks	10
Number of Lecture Hours/Week	02	Exam Marks	40
Total Number of Lecture Hours	25	Exam Hours	02

#### **Course Objectives:**

1. To Identify the major challenges in environmental issues and evaluate possible solutions.
2. Develop analytical skills, critical thinking and demonstrate socio-economic skills for sustainable development.
3. To analyze an overall impact of specific issues and develop environmental management plan.

#### **Module - 1**

Introduction: Environment - Components of Environment Ecosystem: Types & Structure of Ecosystem, Balanced ecosystem Human Activities – Food, Shelter, And Economic & Social Security. **2 Hours**

Impacts of Agriculture & Housing Impacts of Industry, Mining & Transportation  
Environmental Impact Assessment, Sustainable Development. **3 Hours**

#### **Module - 2**

Natural Resources, Water resources – Availability & Quality aspects, Water borne diseases & water induced diseases, Fluoride problem in drinking water Mineral resources, Forest Wealth Material Cycles – Carbon Cycle, Nitrogen Cycle & Sulphur Cycle. **2 Hours**

Energy – Different types of energy, Conventional sources & Non Conventional sources of energy Solar energy, Hydro electric energy, Wind Energy, Nuclear energy, Biomass & Biogas Fossil Fuels, Hydrogen as an alternative energy. **3 Hours**

**Module -3**

Environmental Pollution – Water Pollution, Noise pollution, Land Pollution, Public Health Aspects. **2 Hours**

Global Environmental Issues: Population Growth, Urbanization, Land Management, Water & Waste Water Management. **3 Hours**

**Module -4**

Air Pollution & Automobile Pollution: Definition, Effects – Global Warming, Acid rain & Ozone layer depletion, controlling measures. **3 Hours**

Solid Waste Management, E - Waste Management & Biomedical Waste Management - Sources, Characteristics & Disposal methods. **2 Hours**

**Module - 5**

Introduction to GIS & Remote sensing, Applications of GIS & Remote Sensing in Environmental Engineering Practices. **2 Hours**

Environmental Acts & Regulations, Role of government, Legal aspects, Role of Non-governmental Organizations (NGOs) , Environmental Education & Women Education. **3 Hours**

**Course Outcome:**

Students will be able to,

1. Understand the principles of ecology and environmental issues that apply to air, land, and water issues on a global scale,
2. Develop critical thinking and/or observation skills, and apply them to the analysis of a problem or question related to the environment,
3. Demonstrate ecology knowledge of a complex relationship between biotic and abiotic components
4. Apply their ecological knowledge to illustrate and graph a problem and describe the realities that managers face when dealing with complex issues

**Text Books:**

1. Benny Joseph (2005), "Environmental Studies", Tata McGraw – Hill Publishing Company Limited.
2. R.J.Ranjit Daniels and Jagadish Krishnaswamy, (2009), "Environmental Studies", Wiley India Private Ltd., New Delhi.
3. R Rajagopalan, "Environmental Studies – From Crisis to Cure", Oxford University Press, 2005,
4. Aloka Debi, "Environmental Science and Engineering", Universities Press (India) Pvt. Ltd. 2012.

**Reference Books:**

1. Raman Sivakumar, "Principals of Environmental Science and Engineering", Second Edition, Cengage learning Singapore, 2005
2. F. Meenakshi, "Elements of Environmental Science and Engineering", Prentice Hall of India Private Limited, New Delhi, 2006
3. S.M. Prakash, "Environmental Studies", Elite Publishers Mangalore, 2007
4. Erach Bharucha, "Text Book of Environmental Studies", for UGC, University press, 2005
5. G.Tyler Miller Jr., "Environmental Science – working with the Earth", Tenth Edition, Thomson Brooks /Cole, 2004
6. G.Tyler Miller Jr., "Environmental Science – working with the Earth", Eleventh Edition, Thomson Brooks /Cole, 2006
7. Dr.Pratiba Sing, Dr.AnoopSingh and Dr.Piyush Malaviya, "Text Book of Environmental and Ecology", Acme Learning Pvt. Ltd. New Delhi.

## ENVIRONMENTAL STUDIES

Sub Code	: 10CIV18/10CIV28	IA Marks	: 25
Hrs/ Week	: 02	Exam Hours	: 02
Total Hrs.	: 26	Exam Marks	: 50

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### PART – A

#### UNIT-1

Environment - Definition, Eco system -- Balanced ecosystem, Human activities - Food, Shelter, Economic and Social Security  
**3 Hours**

#### UNIT-2

Effects of human activities on environment - Agriculture, Housing, Industry, Mining, and Transportation activities, Environmental Impact Assessment. Sustainable Development.  
**3 Hours**

#### UNIT-3

Natural Resources - Water resources - Availability and Quality aspects. Water borne diseases, Water induced diseases, Fluoride problem in drinking water. Mineral Resources, Forest Wealth, Material Cycles - Carbon, Nitrogen and Sulphur Cycles.  
**4 Hours**

#### UNIT-4

Energy - Different types of energy, Electro-magnetic radiation. Conventional and Non - Conventional sources - Hydro Electric, Fossil fuel based, Nuclear, Solar, Biomass and Bio-gas. Hydrogen as an alternative future source of Energy.  
**4 Hours**

### PART – B

#### UNIT-5

Environmental Pollution and their effects. Water pollution. Land pollution . Noise pollution . Public Health aspects.  
**3 Hours**

#### UNIT-6

Current Environmental issues of importance:  
Population Growth, Climate change and Global warming - Effects, Urbanization, Automobile pollution  
**3 Hours**

## **UNIT-7**

Acid Rain, Ozone layer depletion, Animal Husbandry

**3 Hours**

## **UNIT-8**

Environmental Protection - Role of Government, Legal aspects, Initiatives by Non - Governmental Organizations (NGO), Environmental Education, Women Education.

**3 Hours**

Question paper is of objective type for 50 marks (**Fifty questions have to be set with 4 multiple choice answers**). Students have to pass the subject compulsorily. However, marks will not be considered for awarding class/rank.

### **Text Books:**

- 1) Benny Joseph (2005), "Environmental Studies", Tata McGraw - Hill Publishing Company Limited
- 2) Ranjit Daniels R.J. and Jagdish Kirshnaswamy, (2009), "Environmental Studies", Wiley India Private Ltd., New Delhi
- 3) Rajagopalan R. (2005), "Environmental Studies – From Crisis to Cure", Oxford University Press

### **Reference Books:**

- 1) Raman Sivakumar, (2005), "Principles of Environmental Science and Engineering", Second Edition, Cengage learning, Singapore
- 2) Meenakshi P. (2006), "Elements of Environmental Science and Engineering", Prentice Hall of India Private Limited, New Delhi
- 3) Prakash S.M. (2007), "Environmental Studies", Elite Publishers, Mangalore
- 4) Erach Bharucha (2005), "Text Book of Environmental Studies", for UGC, University Press
- 5) Tyler Miller Jr. G. (2004), "Environmental Science – Working with the Earth", Tenth Edition, Thomson Brooks/Cole
- 6) Tyler Miller Jr. G. (2006), "Environmental Science – Working with the Earth", Eleventh Edition, Thomson Brooks/Cole
- 7) "Text Book of Environmental and Ecology" by Dr. Pratibha Sing, Dr. Anoop Singh and Dr. Piyush Malaviya. Acme Learning Pvt. Ltd., New Delhi.

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# WORKPLACE ETHICS AND VALUE SYSTEMS

**Subject Code : 16MBA HR402**

**No. of Lecture Hours / Week : 03**

**Total Number of Lecture Hours : 56**

**Practical Component : 02 Hours / Week**

**IA Marks : 20**

**Exam Hours : 03**

**Exam Marks : 80**

## **Course Objectives:**

- To understand the ethical practices at workplace.
- To address the ethical issues which arise in the work environment.
- To acquaint students with various ethical problems at work place.

## **Course Outcomes:**

The students will be able to

- Learn the principles and practices of workplace ethics.
- Understand the concepts of corporate governance and ethics.
- Gain insights of Discrimination and Harassment at Workplace

## **Unit 1:**

**(8 Hours)**

**Workplace Ethics:** Introduction, Needs, Principles, Development of Personal Ethics, Workplace Ethics for Employees-Ethical behavior in workplace- Professionalism, Ethical violations by employees, Employee Attitude and Ethics, Employee Etiquettes. Benefits of ethics in Workplace-employee commitment, investor loyalty, customer satisfaction, profits

## **Unit 2;**

**(8 Hours)**

**Professionalism at Workplace:** Unethical Conduct for employees and employers. Factors leading to Unethical Behaviors. Different unethical behaviors. Measures to control unethical behaviors. Rewarding ethical behavior

## **Unit 3:**

**(10 Hours)**

**Business Ethics and Corporate Governance:** Overview of Business Ethics, Corporate Governance, Ethical issues in human resource management- The principal of ethical hiring, Firing, worker safety, whistle blowing, Equality of opportunity, Discrimination, Ethics and remuneration, Ethics in retrenchment. Ethical Dilemmas at workplace, Ethical issues in global business, corporate responsibility of employers.

## **Unit 4:**

**(10 Hours)**

**Workplace Privacy & Ethics:** Watching what you say and what you do in the workplace, Hardware, Software and Spyware, Plagiarism and Computer Crimes, Convenience and Death of Privacy, Defence of employee privacy rights.

## **Unit 5;**

**(12 Hours)**

**Teamwork in the Workplace, Ethics, Discrimination and Harassment at Workplace & Ethics:** Teams, Elements of team, Stages of team development, team meetings, team rules, and teams work and professional responsibility, rules of professional responsibility, ASME code of ethics. Discrimination, sexual harassment, creating awareness about workplace harassment, Vishaka Dutta vs. State of Rajasthan -Supreme Court directions, Compulsory workplace guidelines.

## **Unit 6:**

**(8 Hours)**

**Managing Change in Workplace through Ethics:** Introduction to Change Management, Models of change, the Ethics of Managing Change, the role of ethics and responsibilities in leading innovation and change, ethics based model for change management, ethics and risks of change management

**Practical Components:**

- To solve case studies on Workplace Ethics
- To visit organizations and find out the problems and causes for unethical behavior at workplace.
- To visit organizations and find out the measures adopted to control unethical behavior of employees.
- To compare and contrast the various ethical codes of conduct practiced in organizations.
- To study the recent cases on breach of workplace privacy.

**RECOMMENDED TEXT BOOKS:**

- Ethical Theory and Business, Tom L. Beauchamp, Norman E. Bowie and Denis Arnold, 8<sup>th</sup> Edition.
- Business Ethics – Ethical Decision making and cases O.C. Ferrell, John Fraedrich, and Linda Ferrell, 9<sup>th</sup> Edition, Cengage Learning.
- How technology is compromising Workplace Privacy, Fredrick S Lane III, AMACOM Div American Mgmt Assn, 2003
- Ethics in the Workplace, Dean Bredeson, Keith Gorie, Cengage Learning, 2011.

**REFERENCE BOOKS:**

- Ethics in 21<sup>st</sup> Century, Mary Alice Trent, Oral Roberts University, longman.
- Ethics in workplace, Elizabeth P Tierney, Oak tree press
- Ethics in Workplace: System Perspective, William F Roth, Pearson, 2014.
- Ethics in the Workplace: Tools and Tactics for Organizational Transformation - Craig E. Johnson - SAGE Publications, 2007
- Business Ethics: Fairness and justice in the workplace - Volume 2 of Business
- Ethics, Fritz Allhoff, ISBN 1412902541, 9781412902540 - SAGE Publications, 2005

## WORKPLACE ETHICS AND VALUE SYSTEMS

Subject Code	: 14MBA HR408	IA Marks	: 50
No. of Lecture Hours / Week	: 04	Exam Hours	: 03
Total Number of Lecture Hours	: 56	Exam Marks	: 100
Practical Component	: 01 Hour / Week		

### Objectives:

- To make students understand the meaning of good ethics, doing things right and the obstacles to making good ethical decisions
- To enable students to identify and critically assess the principles and values they personally embrace and use in addressing the ethical issues which arise in their working lives.
- To acquaint students with some of the major kinds of ethical problems encountered while performing work assignments and some possible ways of responding to them.

### Module 1:

(8 Hours)

**Workplace Ethics:** Introduction, Needs, Principles, Development of Personal Ethics, Workplace Ethics for Employees-Ethical behaviour in workplace- Professionalism, Ethical violations by employees, Employee Attitude and Ethics, Employee Etiquettes. Benefits of ethics in Workplace- employee commitment, investor loyalty, customer satisfaction, profits

### Module 2:

(8 Hours)

**Professionalism at Workplace:** Unethical Conduct for employees and employers. Factors leading to Unethical Behaviours. Different unethical behaviours. Measures to control unethical behaviours. Rewarding ethical behaviour

### Module 3:

(10 Hours)

**Business Ethics and Corporate Governance:** Overview of Business Ethics, Corporate Governance, Ethical issues in human resource management- The principal of ethical hiring, Firing, worker safety, whistle blowing, Equality of opportunity, Discrimination, Ethics and remuneration, Ethics in retrenchment. Ethical Dilemmas at workplace, Ethical issues in global business, corporate responsibility of employers.

### Module 4:

(8 Hours)

**Workplace Privacy & Ethics:** Watching what you say and what you do in the workplace, Hardware, Software and Spyware, Plagiarism and Computer Crimes, Convenience and Death of Privacy, Defence of employee privacy rights.

### Module 5:

(8 Hours)

**Teamwork in the Workplace & Ethics:** Teams, Elements of team, Stages of team development, team meetings, team rules, and teams work and professional responsibility, rules of professional responsibility, ASME code of ethics.

**Module 6:****(8 Hours)**

**Managing Change in Workplace through Ethics:** Introduction to Change Management, Models of change, the Ethics of Managing Change, the role of ethics and responsibilities in leading innovation and change, ethics based model for change management, ethics and risks of change management

**Module 7:****(6 Hours)**

**Ethics, Discrimination and Harassment at Workplace:** Discrimination, sexual harassment, Creating awareness about workplace harassment, Vishaka Dutta vs. State of Rajasthan – Supreme Court directions, Compulsory workplace guidelines.

**Practical Components:**

- To solve case studies on Workplace Ethics
- To visit organizations and find out the problems and causes for unethical behavior at workplace.
- To visit organizations and find out the measures adopted to control unethical behavior of employees.
- To compare and contrast the various ethical codes of conduct practiced in organizations.
- To study the recent cases on breach of workplace privacy.

**RECOMMENDED TEXT BOOKS:**

- Ethical Theory and Business, Tom L. Beauchamp, Norman E. Bowie and Denis Arnold, 8<sup>th</sup> Edition.
- Business Ethics, O.C. Ferrell, John Fraedrich, and Linda Ferrell, 9<sup>th</sup> Edition, Cengage Learning.
- How technology is compromising Workplace Privacy, Fredrick S Lane III, AMACOM Div American Mgmt Assn, 2003
- Ethics in the Workplace, Dean Bredeson, Keith Goree, Cengage Learning, 2011.

**REFERENCE BOOKS:**

- Ethics in 21<sup>st</sup> Century, Mary Alice Trent, Oral Roberts University, longman.
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- Ethics in the Workplace: Tools and Tactics for Organizational Transformation - Craig E. Johnson - SAGE Publications, 2007
- Business Ethics: Fairness and justice in the workplace - Volume 2 of Business Ethics, Fritz Allhoff, ISBN 1412902541, 9781412902540 - SAGE Publications, 2005