

**Krishnasamy College of Science Arts and Management for Women**

<b>S.No</b>	<b>Name of the Course</b>	<b>Course Code</b>	<b>Description of Course</b>
1	Environmental Studies	BES 10	Environmental impact on earth come from the number of people and the amount and types of resources that they use. Environmental Science is the study of patterns and process in the natural world and this modification by human activity. To understand the current environmental problems we need to consider physical, biological and chemical process that are often the basis of these problems.
2	Value Education	BGA 20	Value education the process by which people give moral values to each other. Explicit values education is associated with those difficult pedagogies, methods or programmes that teachers or educators use in order to create learning experiences for students when it comes to value questions.

# THIRUVALLUVAR UNIVERSITY

## PART-IV

### ENVIRONMENTAL STUDIES

#### SYLLABUS

(For all UG Degree Courses)

(with effect from 2017-2018)

#### SEMESTER I

##### **UNIT-I: INTRODUCTION TO ENVIRONMENTAL SCIENCES: NATURAL RESOURCES :**

Environmental Sciences - Relevance - Significance - Public awareness - Forest resources - Water resources - Mineral resources - Food resources - conflicts over resource sharing - Exploitation - Land use pattern - Environmental impact - fertilizer - Pesticide Problems - case studies.

##### **UNIT-II: ECOSYSTEM, BIODIVERSITY AND ITS CONSERVATION:**

Ecosystem - concept - structure and function - producers, consumers and decomposers - Food chain - Food web - Ecological pyramids - Energy flow - Forest, Grassland, desert and aquatic ecosystem.

Biodiversity - Definition - genetic, species and ecosystem diversity - Values and uses of biodiversity - biodiversity at global, national (India) and local levels - Hotspots, threats to biodiversity - conservation of biodiversity - Insitu & Exsitu.



### **UNIT-III: ENVIRONMENTAL POLLUTION AND MANAGEMENT**

Environmental Pollution - Causes - Effects and control measures of Air, Water, Marine, soil, solid waste, Thermal, Nuclear pollution and Disaster Management - Floods, Earth quake, Cyclone and Land slides. Role of individuals in prevention of pollution - pollution case studies.

### **UNIT-IV: SOCIAL ISSUES - HUMAN POPULATION**

Urban issues - Energy - water conservation - Environmental Ethics - Global warming - Resettlement and Rehabilitation issues - Environmental legislations - Environmental production Act. 1986 - Air, Water, Wildlife and forest conservation Act - Population growth and Explosion - Human rights and Value Education - Environmental Health - HIV/AIDS - Role of IT in Environment and Human Health - Women and child welfare - Public awareness - Case studies.

### **UNIT-V: FIELD WORK**

Visit to a local area / local polluted site / local simple ecosystem - Report submission

### **REFERENCES**

1. KUMARASAMY, K., A.ALAGAPPA MOSES AND M.VASANTHY, 2004. ENVIRONMENTAL STUDIES, BHARATHIDSAN UNIVERSITY PUB, 1, TRICHY
2. RAJAMANNAR, 2004, ENVIRONEMNTAL STUDIES, EVR COLLEGE PUB, TRICHY
3. KALAVATHY,S. (ED.) 2004, ENVIRONMENTAL STUDIES, BISHOP HEBER COLLEGE PUB., TRICHY

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# THIRUVALLUVAR UNIVERSITY

## PART-IV

### VALUE EDUCATION

#### SYLLABUS

(For all UG Degree Courses)

(with effect from 2017-2018)

#### SEMESTER II

##### UNIT-I

Value Education - Definition - relevance to present day - Concept of Human Values - self introspection - Self esteem.

##### UNIT-II

Family values - Components, structure and responsibilities of family - Neutralization of anger - Adjustability - Threats of family life - Status of women in family and society - Caring for needy and elderly - Time allotment for sharing ideas and concerns.

##### UNIT-III

Ethical values - Professional ethics - Mass media ethics - Advertising ethics - Influence of ethics on family life - psychology of children and youth - Leadership qualities - Personality development.

##### UNIT-IV

Social values - Faith, service and secularism - Social sense and commitment - Students and Politics - Social awareness, Consumer awareness, Consumer rights and responsibilities - Redressal mechanisms.

## UNIT-V

Effect of international affairs on values of life/ Issue of Globalization - Modern warfare - Terrorism. Environmental issues - mutual respect of different cultures, religions and their beliefs.

### Reference Books

1. T. Anchukandam and J. Kuttainimathathil (Ed) Grow Free Live Free, Krisitu Jyoti Publications, Bangalore (1995)
2. Mani Jacob (Ed) Resource Book for Value Education, Institute for Value Education, New Delhi 2002.
3. DBNI, NCERT, SCERT, Dharma Bharti National Institute of Peace and Value Education, Secunderabad, 2002.
4. Daniel and Selvamony - Value Education Today, (Madras Christian College, Tambaram and ALACHE, New Delhi, 1990)
5. S. Ignacimuthu - Values for Life - Better Yourself Books, Mumbai, 1991.
6. M.M.M.Mascaronhas Centre for Research Education Science and Training for Family Life Promotion - Family Life Education, Bangalore, 1993.

### WEBSITES AND e-LEARNING SOURCES:

[www.rkmissiondhe/.org/education.html/](http://www.rkmissiondhe/.org/education.html/)

[www.clallam::org/lifestyle/education.html/](http://www.clallam::org/lifestyle/education.html/)

[www.sun.com/./edu/progrmws/star.html/](http://www.sun.com/./edu/progrmws/star.html/)

[www.infoscouts.com](http://www.infoscouts.com)

[www.secretofsuccess.com](http://www.secretofsuccess.com)

[www.1millionpapers.com](http://www.1millionpapers.com)

<http://militaryfinance.umuc.edu/education/edu-network.html/>