

**UG Degree
Semester I**

(For the students admitted during the academic year 2017 – 2018 and onwards)

Course: Part IV - Environmental Studies	Course Code: 117EVS
Semester: 1	No. of Credits: 2
No. of hours : 30	C:24 A:6
CIA Max. Marks: 50 (C: Contact hours, A: Activity)	ESE Max. Marks: -

Course Objectives:

- To impart knowledge on natural resources.
- To instill the students about sustainable use of natural resources.
- To educate need for conservation of bio-diversity.
- To provide information about environmental pollution and prevention.
- To create awareness about environmental issues.
- To acquire knowledge on environmental protection.

Course Outcomes: On completion of the Course the student will be able to

CO	Statement	Bloom's Taxonomy level
CO 1	Recollect the value of natural resources and its relationships with human activities.	R
CO 2	Explain the importance of ecosystem and biodiversity.	U
CO 3	Relate the consequence of environmental pollution and corrective measures required.	A
CO 4	Explain the need for environmental protection and analyse environmental issues	U

Syllabus:

Unit I: Natural Resources	(5hours)
Scope and importance of environment studies – Types of resources: Forest resources – Water Resources – Mineral Resources – Energy resources – Land resources- Food Resources. – Role of an individual in the conservation of natural resources.	

Unit II: Ecosystem	(5 hours)
Concept of ecosystem –Structure and functions of an ecosystem –Food chain – Food web – Ecological pyramids- Types of ecosystem:-Forest ecosystem- Grassland ecosystem- Desert ecosystem – Aquatic ecosystem.	

Unit III: Bio-Diversity

Functions – Value of biodiversity – Biodiversity in India – Threats to biodiversity – Endangered and Endemic species of India – Conservation of biodiversity. (4 hours)

Unit IV: Pollution and Disaster Management

Causes, Effects and control measures of: Air pollution – Water pollution – Soil pollution – Marine pollution – Noise pollution – Thermal pollution – Role of an individual in the prevention of pollution – Solid waste Management – Disaster management. (5 hours)

Unit V: Social Issues and The Environment

Environmental issues:- Water conservation: Rain water harvesting, water shed management – Climate change – Global warming – acid rain – ozone layer depletion – Environmental laws – Environmental ethics – Public awareness. (5 hours)

Books for study:

Unit	Name of the Book	Authors	Publishers with Edition
I - V	Environmental Science	Editorial Board, Sri G.V.G Visalakshi College for Women	Bonfring Publication, Coimbatore, 2017

Content delivery Methods: (Minimum Two)

1. Class room Lecture
2. Guest Lecture
3. Demonstration
4. Videos

Course Evaluation Methods:

Direct Methods	Indirect Methods
Continuous Internal Assessment Test I Continuous Internal Assessment Test II Activity	Course Exit Survey

Internal Assessment components:

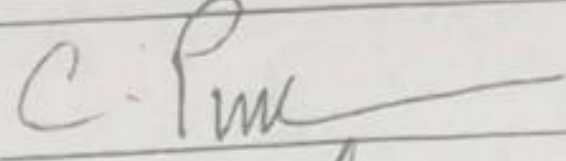
Components	CIA	Activity	Total
Marks	40	10	50

Question Paper Pattern
Open Choice Questions (5 out of 10) (5X8 = 40 Marks)

Questions for CIA will be designed based on Weightage % given

Bloom's Category	CIA I	CIA II	Activity
R	25%	10%	Content : 60% (6Marks) Creativity: 40% (4 Marks)
U	50%	60%	
A	25%	30%	

(R - Knowledge; U - Understanding; A- Application)

Course Designed by :	Dr.C.Pushpalatha	
Course Reviewed by :	Mrs. B.Nirmala	