C. U. SHAH UNIVERSITY, WADHWAN CITY.

Faculty of: **Computer Science**
Course: **Bachelor of Computer Applications**
Semester**: II**
Subject Code**: VAC202-1C**
Subject Name: **ENVIRONMENTAL STUDIES**

Sr. No.	Category	Subject Code	Subject Name	Teaching hours/ Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								
									Theory				Practical				Total
									Internal Assessment		End Semester Exams		Internal Assessment		End Semester Exams		
				Th	Tu	Pr			Marks	Duration	Marks	Duration	Marks	Duration	Marks	Duration	
7	VAC	VAC202-1C	ENVIRONMENTAL STUDIES	2	--	--	2	2	10 10 05	Assignment MCQ Attendance	25	1	-	--	--	--	50

AIM :

This course is aimed at enabling the students

- To familiar/aware students Environmental Science, natural resources, about pollution and effects of environment in human population.

COURSE CONTENTS

Unit I The Multidisciplinary nature of Environmental Science **(4 Lectures)**

Definition, Scope and Importance of Environmental Science, Need of Public Awareness.

Unit II Natural Resources **(8 Lectures)**

Introduction to Natural Resources, Renewable and Non-renewable resources, Forest Resources, Water Resources, Food Resources, Energy Resources, Land Resources.

Unit III Pollution **(8 Lectures)**

Definition of Pollution, Causes, effects and control measure of pollution: Air pollution, Water pollution, Soil pollution, Noise pollution, Thermal Pollution. Role of individual in prevention of Pollution. Disaster management: Floods, Earthquakes and cyclone

Unit IV Human Population and Environment **(10 Lectures)**

Human population growth, variation among nations, Global population growth, Methods of sterilization: Urbanization, Environment and Human health, climate and health, Water related diseases,

Human rights: Equity, Nutrition, health and human rights. Value Education: Environmental values, valuing nature, valuing cultures. Woman and child welfare. Role of information technology in environment and human health.

Arrangement of lectures duration and practical session as per defined credit numbers:

Units	Lecture Duration (In Hrs.)		Calculation of Credits (In Numbers)		Total Lecture Duration	Credit Calculation
	Theory	Practical	Theory	Practical	Theory+ Practical	Theory+ Practical
Unit – 1	4	00	2	0	4	2
Unit – 2	8	00			8	
Unit – 3	8	00			8	
Unit – 4	10	00			10	
Total	**30**	**00**	**2**	**0**	**30**	**2**

Evaluation:

Theory Marks	Practical Marks	Total Marks
50	**00**	**50**

REFERENCE BOOKS:

- Text book for environmental studies: by Erach Bharucha for UGC