Mangalmay Institute of Management & Technology
Greater Noida (U.P)

Lesson Plan

Program: BBA **Semester:** I **Course Code**: 008 **Course Name:** Environmental Studies

Course Objective: The objective of the course is to familiarize the students with importance of environment, current environmental conditions and problems associated with environment.

Session Duration:60 minutes

Participants: BBA 1st Year Students

Entry level knowledge and skills of students

i. Basic understanding of components of environment
ii. Basic knowledge of environment problems.

Equipment required in Classroom/ Laboratory/ Workshop

i. Projector & system
ii. White board & marker

Assessment Schemes

S. No.	Criteria	Marks (100)
1	CCSU End Term Examination	75
2	Internal Evaluation Scheme	25
2(a)	Teacher Assessment (Continuous Evaluation) (Any 2 & attendance)	20
2(a)(i)	Assignment I	10
2(a)(ii)	Assignment II	10
2(a)(iii)	Attendance (compulsory)	5

Course Outcomes (starting with action-oriented observable and measurable verb)

(CO1): Develop understanding of components of environment andnatural resources

CO2): Develop understanding of basics of ecology and different ecosystems

(CO3): Comprehend the basics of biodiversity, threat to biodiversity and its conversation

(CO4): Study and analyze the environmental problems and its impact

(CO5): Analyze and understand the relationship between Human Population, social issues and the environment

L. No.	Topics	Sub Topics	Date of implementation	Pedagogy	CO-Covered	Faculty Sign	HoD's Remark with Date
Unit - 1							
	Multidisciplina	Definition,			1		

	ry nature of environmental studies	Scope and Importance					
	Multidisciplinary nature of environmental studies	Need for public awareness			1		
Unit - 2							
	Natural resources	Forest resources: use and overexploitation			1		
	Natural resources	Water resources: use and over-utilization			1		
	Natural resources	Mineral resources: use and exploitation			1		
	Natural resources	Food resources: world food problems			1		
	Natural resources	Energy Resources			1		
	Natural resources	Land resource: use and degradation			1		
	Natural resources	Role of an individual in conservation of natural resources.			1		
	Natural resources	Equitable use of resources for sustainable lifestyles			1		
Unit – 3							
	Ecosystem	Concept, structure and function			2		
	Ecosystem	Energy flow in ecosystem			2		
	Ecosystem	Food chains and food web			2		
	Ecosystem	Ecological pyramid			2		
	Ecosystem	Forest ecosystem			2		

	Ecosystem	Grassland ecosystem			2		
	Ecosystem	Desert ecosystem			2		
	Ecosystem	Aquatic ecosystem			2		
Unit 4							
	Biodiversity	Definition: genetic, species and ecosystem diversity			3		
	Biodiversity	Biogeographical classification of India			3		
	Biodiversity	Value of biodiversity			3		
	Biodiversity	Biodiversity at global, national and local levels			3		
	Biodiversity	India as a mega-diversity nation			3		
	Biodiversity	Hotspots of biodiversity			3		
	Biodiversity	Threats to Biodiversity			3		
	Biodiversity	Conservation of Biodiversity			3		
Unit 5							
	Environmental pollution	Air Pollution			4		
	Environmental pollution	Water Pollution			4		
	Environmental pollution	Soil Pollution			4		
	Environmental pollution	Noise Pollution			4		
	Environmental pollution	Thermal Pollution			4		
	Environmental pollution	Nuclear Pollution			4		
	Environmental pollution	Solid waste management			4		
	Environmental pollution	Disaster Management			4		
Unit 6							
	Social issues and environment	unsustainable to sustainable development			**5**		

	Water conservation	Watershed management, rainwater harvesting			**5**		
	Social issues	Resettlement and rehabilitation of people; its problems and concerns			**5**		
	Climate change	global warming, acid rain, ozone layer depletion, nuclear accidents			**5**		
	Environmental Acts	EnvironmentProtectionAct. AirAct,Water Act			**5**		
	Environmental Acts	WildlifeProtectionAct,Forest Conservation Act			**5**		
	Environmental Legislation	Issues involved in enforcement of environmental legislation and Public awareness			**5**		
Unit 7							
	Human population and environment	Human growth, population explosion			**5**		
	Human population and environment	Environmentandhumanhealth			**5**		
	Human population and environment	HumanRights andValueEducation			**5**		
	Human population and environment	WomenandChildWelfare			**5**		
	Information Technology	RoleofInformationTechnologyinEnvironmentandhumanh			**5**		

		ealthCaseStudies					
Revision							
	Unit 1	Question Paper		Group Discussion	1		
	Unit 2	Question Paper		Group Discussion	1		
	Unit 2	Question Paper		Group Discussion	1		
	Unit 3	Question Paper		Group Discussion	2		
	Unit 3	Question Paper		Group Discussion	2		
	Unit 4	Question Paper		Group Discussion	3		
	Unit 4	Question Paper		Group Discussion	3		
	Unit 5	Question Paper		Group Discussion	4		
	Unit 5	Question Paper		Group Discussion	4		
	Unit 6	Question Paper		Group Discussion	5		
	Unit 7	Question Paper		Group Discussion	5		

Text Books:

- A Textbook of Environmental Studies by Dr. Vijay Kumar Tiwari
- Environmental Studies (Concepts, Impacts, Mitigation and Management)By MP Poonia& SC Sharma
- Environmental Studies- Dr. D.L. Manjunath, Pearson Education - 2006.

Reference Books:

- Principles of Environmental Science and Engineering -P. Venugoplan Rao, Prentice Hall of India
- Environmental Science and Engineering - Meenakshi, Prentice Hall of India
- Environmental Science- Y.K. Singh, New Age International (P) Limited

Journals:

Environmental Science and Pollution Research (ESPR), Springer