

ZOMDC114T: Environment, climate change and pollution

Semester: I	Course Title:- Environment, climate change and pollution	Credit: 2
Course No.: 114T	MDC-1(T)	Hours: 2/week

Course Outcomes: On successful completion of the course, the learner will be able to:

COs	Cognitive Abilities	Course Outcomes
CO 1	Remembering	Recall and define the term "environment" and its significance in the context of ecosystems and human activities. Recall the four main components of the environment.
CO 2	Understanding	Comprehend the interactions within ecosystems and the balance required for sustainable environmental health. Apply knowledge of acid rain causes and sources, including the role of pollutants. Analyze the chemical processes leading to acid rain formation.
CO 3	Applying	Apply knowledge to identify common greenhouse gases and understand their sources.
CO 4	Remembering and Applying	Students will develop understanding of basic concepts of global warming and climate change.
CO 5	Applying	Demonstrate proficiency in using modern techniques and tools relevant to analysis of pollutants.
CO 6	Creating	Create educational materials and awareness campaigns about environmental issues.

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9
CO 1	2		1						
CO 2	1		2					1	
CO 3	2		1			1			
CO 4	1		1					1	
CO 5		2				1			
CO 6					1		1		

M.G. Science Institute (Autonomous) B.Sc. (Hons.) Zoology

Unit No.	Unit Contents	No. of Hours of Teaching
1	Environment and Its Impacts <ul style="list-style-type: none">▪ Definition▪ Components of environment:<ul style="list-style-type: none">• Atmosphere• Hydrosphere• Lithosphere• Biosphere Climate Change <ul style="list-style-type: none">▪ Greenhouse gases and global warming▪ Acid rain▪ Ozone layer depletion▪ Effect of climate change on human health	15
2	Pollution: <ul style="list-style-type: none">▪ Definition Sources, causes, effects and control measures of: <ul style="list-style-type: none">▪ Air pollution▪ Water pollution▪ Soil pollution▪ Noise pollution▪ Radioactive pollution	15