

Guru Nanak Dev Engineering College, Ludhiana			
Department of Information Technology			
Program	B.Tech.(IT)	Semester	3
Subject Code	MCIT-101	Subject Title	Environmental Sciences
Mid Semester Test (MST) No.	1	Course Coordinator(s)	Prof. Sandeep Kaur Prof. Avneet Kaur
Max. Marks	24	Time Duration	1 hour 30 minutes
Date of MST	25 th Sept., 2023	Roll Number	

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks
Q1	Describe an ecological pyramid?	CO1, L2	2
Q2	Examine the point and non-point sources of water and air pollution?	CO2, L5	2
Q3	Explain the concept of ecological footprints through an example.	CO1, L3	4
Q4	Identify the ecosystem services provided by forests?	CO3, L2	4
Q5	Contrast the link between water scarcity and food security.	CO4, L4	4
Q6	(a). 'The automobile is one of the worst inventions made by humankind'. Write your view supporting the statement. (b). Formulate the case study explaining how ecological cycle has got disturbed due to climate change.	CO5, L6	8

Course Outcomes (CO)

Students will be able to

1	Measure environmental variables and interpret results.
2	Evaluate local, regional and global environmental topics related to resource use and management.
3	Propose solutions to environmental problems related to resource use and management.
4	Interpret the results of scientific studies of environmental problems.
5	Describe threats to global biodiversity, their implications and potential solutions.

RBT Classification	Lower Order Thinking Levels (LOTS)			Higher Order Thinking Levels (HOTS)		
	L1	L2	L3	L4	L5	L6
RBT Level Number	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating

Guru Nanak Dev Engineering College, Ludhiana Department of Information Technology			
Program	B.Tech.(IT)	Semester	3
Subject Code	MCIT-101	Subject Title	Environmental Sciences
Mid Semester Test (MST) No.	2	Course Coordinator(s)	Prof. Sandeep Kaur Prof. Avneet Kaur
Max. Marks	24	Time Duration	1 hour 30 minutes
Date of MST	6 th November 2023	Roll Number	

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks
Q1	Explain environmental ethics?	CO1, L1	2
Q2	Analyze the factors that how an organization can promote sustainable procurement in green computing?	CO2, L4	2
Q3	Describe two major techniques involved in green computing.	CO3, L2	4
Q4	Identify the issues concerning the resettlement and rehabilitation of displaced groups.	CO2, L2	4
Q5	Compare and contrast the impacts of 4G and 5G technology on environment.	CO4, L4	4
Q6	Examine how information technology influences business, society and environment leading to a sustainable triangle.	CO2, L5	8

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RBT Level Name	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating