

Code: 20MC1301

**II B.Tech - I Semester – Regular/Supplementary Examinations
DECEMBER 2023**

**ENVIRONMENTAL SCIENCE
(Common for CIVIL, CSE, IT)**

Duration: 3 hours

Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.
2. All parts of Question must be answered in one place.

BL – Blooms Level

CO – Course Outcome

			BL	CO	Max. Marks
UNIT-I					
1	a)	Demonstrate how the tribal movements in India created awareness among Indians in conservation of Natural resources.	L3	CO1	7 M
	b)	Design the rain water harvesting method experimented by Dr. Rajendra singh to solve water problem in India and world.	L4	CO2	7 M
OR					
2	a)	Point out how bio magnification of farm chemicals impacts life and environment.	L4	CO2	7 M
	b)	Suggest the best practices to overcome the fuel impacts in India.	L3	CO1	7 M
UNIT-II					
3	a)	Survey how producers, consumers and decomposers help in maintaining the structure and function of an ecosystem.	L4	CO2	7 M

	b)	Prepare a food web for higher carnivore-lion in a tropical forest.	L3	CO1	7 M
OR					
4	a)	Appraise how the variety and variability of species supports the human existence.	L4	CO2	7 M
	b)	Illustrate the techniques involved in protection of wild life.	L3	CO1	7 M
UNIT-III					
5	a)	Classify the gaseous and particulate pollutants in nature and add a note on their effects.	L4	CO3	7 M
	b)	Analyse how release of waste water containing mercury in Japan affected the life of Japanese.	L4	CO4	7 M
OR					
6	a)	Identify the invisible effects of long / high frequencies to human body.	L4	CO3	7 M
	b)	Categorize the waste materials in your house and explain how you are managing the waste to protect the environment.	L4	CO4	7 M
UNIT-IV					
7	a)	‘Environmental developments depend only on adopting green measures’ – Justify the statement.	L3	CO5	7 M
	b)	Identify the factors responsible for the change in atmospheric gaseous composition and explain how COP conferences aimed to scrub it.	L4	CO4	7 M

OR					
8	a)	Analyse the SO _x and NO _x impacts on man and environment.	L4	CO4	7 M
	b)	Construct a document to assess flood damage using EIA.	L4	CO5	7 M
UNIT-V					
9	a)	Analyse the essentiality of the amendment in increasing the age of marriage for a girl child in India.	L4	CO4	7 M
	b)	Apply the techniques of geographical information services in environment and health protection.	L3	CO5	7 M
OR					
10	a)	Build the provisions of Air Act.	L3	CO5	7 M
	b)	Execute the different duties of wild life Act.	L4	CO5	7 M