

Code: 20CE2601A

III B.Tech - II Semester – Regular Examinations – JUNE 2023**ECOLOGY AND ENVIRONMENT****(Common to All Branches)**

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)	What is natural selection and its significance.	L2	CO1	7 M
	b)	Summarize the biotic and abiotic factors of various ecosystems.	L2	CO1	7 M
OR					
2	a)	Outline the functions of ecosystem.	L2	CO1	7 M
	b)	Explain the relationship between various organisms in ecosystem.	L2	CO1	7 M
UNIT-II					
3	a)	Write about land as a resource and its use pattern in India.	L2	CO2	7 M
	b)	Simplify the concept of integrated water resources management.	L3	CO2	7 M
OR					

4	a)	Categorize the water resources in India.	L2	CO2	7 M
	b)	Analyze the applications of GIS and Remote Sensing in conserving resources.	L4	CO2	7 M
UNIT-III					
5	a)	Discuss the structure and composition of biosphere.	L2	CO3	7 M
	b)	Inspect the significance and advantages of atmospheric stability.	L2	CO3	7 M
OR					
6	a)	Write about the methods in graphical representation of the data.	L2	CO3	7 M
	b)	Discuss about the structure and composition of lithosphere.	L2	CO3	7 M
UNIT-IV					
7	a)	Enumerate the salient features of National Environmental Policy, 2006.	L2	CO4	7 M
	b)	Discuss about any two environmental movements.	L2	CO4	7 M
OR					
8	a)	Analyze the goals and objectives of environmental education.	L4	CO4	7 M
	b)	Explain National Agricultural Policy in detail.	L2	CO4	7 M

UNIT-V

9	a)	Explain the analytical approaches and instrumentation in environmental monitoring.	L2	CO5	7 M
	b)	Discuss the bio-monitoring of water pollution.	L2	CO5	7 M

OR

10	a)	Explain in detail about environmental monitoring through impact analysis.	L2	CO5	7 M
	b)	Discuss plant based bio-monitoring of air pollution.	L2	CO5	7 M