

Code No: 8HC05

Date: 19-Aug-2023 (Fri)

B.Tech II-Year II- Semester External Examination, Aug - 2023 (Regular & Supplementary)
ENVIRONMENTAL SCIENCE AND ECOLOGY (CIVIL, ECE and CSE)

Time: 3 Hours

Max.Marks:70

Note: a) No additional answer sheets will be provided.
b) All sub-parts of a question must be answered at one place only, otherwise it will not be valued.
c) Missing data can be assumed suitably.

Bloom's Cognitive Levels of Learning (BCLL)

Remember	L1	Apply	L3	Evaluate	L5
Understand	L2	Analyze	L4	Create	L6

Part - A
ANSWER ALL QUESTIONS

Max.Marks:20

	BCLL	CO(s)	Marks
1 Define bioaccumulation.	L1	CO1	[2M]
2 List out any two environmental effects of mining.	L2	CO2	[2M]
3 What is meant by In-situ conservation?	L1	CO3	[2M]
4 Write any two impacts of global warming.	L2	CO4	[2M]
5 Give the meaning of Urban sprawl.	L1	CO5	[2M]
6 List out the objectives of forest Act.	L1	CO6	[2M]
7 State true or false that “nuclear energy is green energy” and why.	L2	CO2	[2M]
8 Define genetic level biodiversity.	L1	CO3	[2M]
9 Elaborate EMP and EIA.	L2	CO6	[2M]
10 State true or false for the following statements i) Drought leads to under-nourishment. ii) Drought leads to migration of people to city	L2	CO2	[2M]

Part – B
ANSWER ANY FIVE QUESTIONS. EACH QUESTION CARRIES 10 MARKS.

Max.Marks:50

	BCLL	CO(s)	Marks
11. a) Write a note on classification of ecosystem.	L1	CO1	[5M]
b) Describe food chain with neat sketch.	L2	CO1	[5M]
12. a) Discuss living and non-living resources with examples.	L3	CO2	[5M]
b) Enumerate the importance of any two renewable energy resources.	L3	CO2	[5M]
13. a) Analyze the threats to biodiversity.	L4	CO3	[5M]
b) Explain values of biodiversity.	L4	CO3	[5M]
14. a) Analyze the causes of noise pollution and suggest noise control measures in metropolitan city.	L4	CO4	[5M]
b) Describe best municipal solid waste management methods for the state of Telangana.	L5	CO4	[5M]

15.	a) Describe environmental concept of Green building.	L2	CO5	[5M]
	b) Analyze strategies for achieving sustainable development.	L4	CO5	[5M]
16.	a) Explain methods of biomedical waste management.	L3	CO6	[5M]
	b) Describe wild life act.	L2	CO6	[5M]
17.	a) What is meant by carrying capacity? Express the opinion about crossing the carrying capacity of earth.	L3	CO1	[4M]
	b) Analyze the effects of floods on different sectors with special emphasis on supply chain.	L3	CO2	[3M]
	c) Discuss Man-wild life conflicts with one case study.	L2	CO3	[3M]
18.	a) Explain various causes of water pollution.	L1	CO4	[4M]
	b) Emphasize the role of information technology in environmental protection.	L2	CO5	[3M]
	c) Discuss hazardous waste management and its handling rules.	L2	CO6	[3M]

-- 00 -- 00 --