

Code No:9HC05

Date: 22-August-2024 (T.N)

B.Tech II-Year II- Semester External Examination, August-2024 (Regular)
ENVIRONMENTAL SCIENCE (CE,EEE,ME,ECE,CSE,IT,CS,AI ML,DS,IOT)

Time: 3 Hours

Max.Marks:60

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

Max.Marks: 6x2=12

ANSWER ALL QUESTIONS, EACH QUESTION CARRIES 2 MARKS.

	BCLL	CO(s)	Marks
1 What is meant by bioaccumulation?	L1	CO1	[2M]
2 Name some alternate energy sources	L2	CO2	[2M]
3 Define hotspots of biodiversity.	L1	CO3	[2M]
4 Differentiate primary and secondary pollutants.	L1	CO4	[2M]
5 Define sustainable development.	L1	CO5	[2M]
6 Elaborate EIA.	L4	CO6	[2M]

Part – B

Max.Marks: 6x8=48

ANSWER ALL QUESTIONS. EACH QUESTION CARRIES 8 MARKS.

	BCLL	CO(s)	Marks
7. What is ecosystem? describe structure of ecosystem? OR	L2	CO1	[8M]
8 Discuss nitrogen cycle with a neat Sketch.	L3	CO1	[8M]
9. Differentiate renewable, non renewable resources? OR	L2	CO2	[8M]
10 Write benefits and problems of dams?	L2	CO2	[8M]
11 “India is a mega biodiversity nation? Discuss. OR	L1	CO3	[8M]
12 Explain hotspots of biodiversity in India?	L2	CO3	[8M]
13 Examine the Global warming and its effects. OR	L3	CO4	[8M]
14 Explain noise pollution?	L2	CO4	[8M]
15 Analyze threats to sustainable development. OR	L4	CO5	[8M]
16 Interpret Clean development mechanisms.	L3	CO5	[8M]
17 Discuss Legal aspects of air Act 1981. OR	L3	CO6	[8M]
18 Give a detailed account on concepts of Environmental Management Plan (EMP)	L2	CO6	[8M]

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