

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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