Code No: 7HC21   **Date: 12-Aug-2022 (FN)**

B.Tech II-Year II- Semester External Examination, July/August - 2022 (Supplementary)
ENVIRONMENTAL SCIENCE AND ECOLOGY (CIVIL, CSE, IT and ECM)

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.*

ANSWER ANY 5 OUT OF 8 QUESTIONS. EACH QUESTION CARRIES 14 MARKS.
Bloom's Cognitive Levels of Learning (BCLL)

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

			BCLL	CO(s)	Marks
1.	a)	What are ecological pyramids? Explain about energy pyramid.	L2	CO1	[9M]
	b)	Enumerate the functions of ecosystem.	L4	CO1	[5M]
2.	a)	How can you justify the alternative energy resources as future of India?	L3	CO2	[7M]
	b)	Explain the importance of land resource.	L2	CO2	[7M]
3.	a)	Describe the threats to biodiversity.	L3	CO3	[9M]
	b)	Discuss about productive and consumptive value of biodiversity.	L2	CO3	[5M]
4.	a)	Give out line of municipal solid waste management.	L1	CO4	[9M]
	b)	Discuss about degradation of soil.	L2	CO4	[5M]
5.	a)	Explain role of IT in Environment.	L2	CO5	[7M]
	b)	Write a note on over exploitation of resources.	L3	CO5	[7M]
6.	a)	Describe about environmental protection Act 1986.	L2	CO6	[7M]
	b)	Brief out hazardous waste management rules.	L2	CO6	[7M]
7.	a)	Discuss about food web.	L2	CO1	[4M]
	b)	Explain about solar energy.	L3	CO2	[5M]
	c)	What is conservation of biodiversity? Explain different types of conservation.	L3	CO3	[5M]
8.	a)	Explain ozone layer depletion and it's effects.	L3	CO4	[5M]
	b)	Write the importance of environmental ethics.	L2	CO5	[5M]
	c)	Summarize environmental management plan.	L3	CO6	[4M]

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