

**Code No: 7HC21**

**Date: 23-Aug-2021 (Fri)**

**B.Tech II-Year II- Semester External Examination, Aug/Sept-2021 (Regular)**  
**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

	BC	CO(s)	Marks
	LL		
1. a) What are the functional components of ecosystem?	L1	CO1	[10M]
b) What is food web and food chain?	L4	CO1	[4M]
2. a) List causes of our failure to sustain availability of underground water.	L2	CO2	[7M]
b) Give a detailed account on concepts of Environmental Management Plan (EMP).	L2	CO2	[7M]
3. a) What is biodiversity depletion? Mention any two anthropocentric causes of biodiversity depletion.	L4	CO3	[7M]
b) What is wildlife? Mention any two types of in-situ type of conservation methods.	L2	CO3	[7M]
4. a) What is Soil pollution and what are the effects of soil pollution on Agriculture?	L2	CO4	[7M]
b) Describe different methods involved in waste- water treatment technology?	L5	CO4	[7M]
5. a) Write a note on e-waste management.	L5	CO5	[7M]
b) Discuss the concept of Green Building.	L4	CO5	[7M]
6. a) Give an account of Kyoto Protocol.	L3	CO6	[7M]
b) Discuss about Forest Act.	L2	CO6	[7M]
7. a) Differentiate deforestation and forest degradation.	L3	CO1	[7M]
b) What are the causes for man wild life conflicts? Suggest suitable wild life conservation practices.	L1	CO2	[7M]
8. a) Describe various strategies for risk assessment.	L5	CO4	[7M]
b) Name any two forest products, each of which is the basis for some industry.	L3	CO5	[7M]