

Reg. No.:

Name :



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**Mid-Term Examinations, November 2021**

Programme	: <b>B.Tech.</b>	Semester	: <b>Fall 2021-22</b>
Course	: <b>Environmental Sustainability</b>	Code	: <b>CHY1006</b>
Faculty	: <b>Dr. Arumay PAL</b>	Slot/Class No.	: <b>F13/0185</b>
Time	: <b>1½ hours</b>	Max. Marks	: <b>50</b>

**Answer all the Questions**

Q. No.	Question Description	Marks
1	(a) Briefly describe five global environmental problems the world is facing today.	5
	(b) Identify two of them and briefly describe the key measures that should be taken for environmental sustainability.	5
2	Define ecosystem. Explain all the biotic components of an ecosystem in detail. Describe five importance of the ecosystem.	10
3	Describe pointwise the importance of biodiversity. Define endemic species. 'High level of endemism in a region may turn it to a biodiversity hotspot' – explain.	10
4	(a) What is Kyoto protocol? Explain the important mechanism of Kyoto protocol.	5
	(b) Define carbon credit. What is 'carbon audit'? Why is it important to do a carbon audit?	5
5	Compare the amount of CO <sub>2</sub> emissions per unit electrical energy produced for different types of energy sources. Comment on the amount of coal consumption by the USA, China and India in the light of environmental cost.	10