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Mid-Term Examinations, October 2021

Programme	: B.Tech	Semester	: Fall 2021-2022
Course	: Environmental Sustainability	Code	: CHY1006
Faculty	: Mr. Nitish Kumar Singh	Slot/Class No.	: A13/0227
Time	: 1½ hours	Max. Marks	: 50

Answer all the Questions

Q. No.	Question Description	Marks
1	How technology could contribute to a sustainable world?	10
2	Why is sustainable development to often associate with protecting the environment?	10
3	What are some major threats to biodiversity today? Where do these threats come from?	10
4	Discuss in details about nutrient cycle with its working process and elaborate the carbon cycle process with a neat sketch.	10
5	<p>The area surrounding the River Ruparel in Rajasthan, is an example of proper water conservation. The site does not receive even half the rainfall received by Cherrapunji, but proper management and conservation have meant that more water is available than in Cherrapunji. The water level in the river began declining due to extensive deforestation and agricultural activities along the banks and, by the 1980s, a drought-like situation began to spread. Under the guidance of some NGOs (non-government organizations), the women living in the area were encouraged to take the initiative in building johads (round ponds) and dams to hold back rainwater. Gradually, water began coming back as proper methods of conserving and harvesting rainwater were followed.</p> <p>(a) Give the measure taken by villagers near Ruparel to evoke their dead water resources and become rich in water availability.</p> <p>(b) Comments on the occurrence of the draught situation in a particular area.</p>	10