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Mid-Term Examinations – October 2021

Programme	: **B.Tech**	Semester	: **Fall 2021-22**
Course	: **Environmental Sustainability**	Code	: **CHY1006**
Faculty	: **Dr. Shweta Mukherjee**	Slot/ Class No.	: **B13/0177**
Time	: **1 ½ hours**	Max. Marks	: **50**

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
1		"The effect of global warming on the climate of India has led to climate disasters as per some experts. India is a disaster prone area, with the statistics of 27 out of 35 states being disaster prone, with foods being the most frequent disasters. The process of global warming has led to an increase in the frequency and intensity of these climatic disasters." Comment on the above statement and mention the ways to handle the impact of global warming in India to maintain environment sustainability.	**10**
2		Urbanization has long been associated with human development and progress, but recent studies have shown that urban settings can also lead to significant inequalities and health problems. Write the different consequences of urbanization on physical environment and and how it contributes to pollution problem?	**10**
3		The air quality in Delhi, the capital territory of India, according to a WHO survey of 1,650 world cities, is the worst of any major city in the world. It also affects the districts around Delhi. Air pollution in India is estimated to kill about 2 million people every year; it is the fifth largest killer in India. India has the world's highest death rate from chronic respiratory diseases and asthma, according to the WHO. In Delhi, poor quality air irreversibly damages the lungs of 2.2 million or 50% of all children. Write a note on air pollution with reference to the above paragraph and answer the following questions a) What is smog? b) Mention the names of different types of air pollutants.	**10**
4		Why humans are an integral part of ecosystem? Explain all the components of ecosystem in detail	**10**
5		Draw the carbon cycle and explain the steps in detail. Why it is different from phosphorus cycle.	**10**

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