

Reg. No.:

Name :



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TERM END EXAMINATIONS (TEE) – May 2023

Programme	: B.Tech.	Semester	: Summer Semester 2022-23
Course Title/ Course Code	: Environmental Sustainability / CHY1006	Slot	: C21+C22+C23
Time	: 1½ hours	Max. Marks	: 50

Answer ALL the Questions

Q. No.	Question Description	Marks
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PART - A (30 Marks)

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|---|---|----|
| 1 | (a) Explain how removal of forests, dumping waste in the river, unauthorised mining and plastic materials are having impact on the environment and the society. | 10 |
|---|---|----|

OR

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|-----|---|---|
| (b) | (i) What are the essential nutrients required to run the biological activities of the living beings? How detritus food chain differs from Grazing food chain? | 4 |
| | (ii) Explain with proper examples, how energy flows amongst the aquatic species. | 6 |

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|---|---|----|
| 2 | (a) Write a brief note on the followings:
i) Acid Rain ii) Delhi smog, iii) Pathogen iv) Nuclear hazards | 10 |
|---|---|----|

OR

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| (b) | (i) What is water footprint? Mention its different types with examples. | 3 |
| | (ii) With schematic representation, discuss the virtual water counts for the production of 'Pasta' and 'Jacket'. | 7 |

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|---|--|----|
| 3 | (a) How urbanisation, women empowerment and job security are playing an important role towards human population? | 10 |
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OR

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| (b) | (i) Write the working principle of Nuclear Power Plant? | 5 |
| | (ii) What are the advantages and disadvantages for the said power plant? | 5 |

PART - B (20 Marks)

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|---|---|---|
| 4 | (i) Justify the statement, "India is a biologically diverse country". | 5 |
| | (ii) What are the various threats for biodiversity? Justify your answer with proper examples. | 5 |

5	(i) Why renewable energy sources are needed in the society?	5
	(ii) How windmills and biomasses are used to generate electricity?	5

