

Reg. No.:

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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.
OR
(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?
(ii) Explain with proper examples, how energy flows amongst the aquatic species. | 10
4
6 |
| 2 | (a) Write a brief note on the followings:
i) Acid Rain ii) Delhi smog, iii) Pathogen iv) Nuclear hazards
OR
(b) (i) What is water footprint? Mention its different types with examples.
(ii) With schematic representation, discuss the virtual water counts for the production of 'Pasta' and 'Jacket'. | 10
3
7 |
| 3 | (a) How urbanisation, women empowerment and job security are playing an important role towards human population?
OR
(b) (i) Write the working principle of Nuclear Power Plant?
(ii) What are the advantages and disadvantages for the said power plant? | 10
5
5 |

PART - B (20 Marks)

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|---|--|--------|
| 4 | (i) Justify the statement, "India is a biologically diverse country".
(ii) What are the various threats for biodiversity? Justify your answer with proper examples. | 5
5 |
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5	(i) Why renewable energy sources are needed in the society?	5
	(ii) How windmills and biomasses are used to generate electricity?	5

