

Reg. No.:

Name :



VIT[®]
BHOPAL
www.vitbhopal.ac.in

TERM END EXAMINATIONS (TEE) – December 2021- January 2022

Programme	: B.Tech	Semester	: Fall 2021-22
Course	: Environmental Sustainability	Code	: CHY1006
Faculty	: Dr. Justin Joseph	Slot/ Class No.	: C13/BL2021221000188
Time	: 1 ½ hours	Max. Marks	: 50

Answer all the Questions

Q.No. Question Description Marks

PART A (30 Marks)

- 1 (a) Prepare a sustainability policy document for a software industry? Describe the impact of human activity on the environment in terms of I = (PAT) convention? **10**

OR

- (b) Draw three schematic diagrams that demonstrate the influence of anthropogenic activities on the carbon, nitrogen and phosphor cycles? **10**

- 2 (a) Describe important laws in India governing environmental protection? What are the scopes and objectives of E - Waste (Management and Handling) Rules, 2011 and Batteries (Management & Handling) Rules, 2001? Identify any environmental issue that does not come directly under any of the legislations or rules in India? **10**

OR

- (b) List certain impacts caused by the human civilization and modernization on the environment? List certain impacts caused by the environmental issues on the human society? Analyze the relevance of environmental sociology? **10**

- 3 (a) What is Agenda 2030? List the Sustainable Development Goals (SDGs) under Agenda 2030 of the United Nations General Assembly? **10**

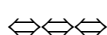
OR

- (b) Draw the energy hierarchy pyramid and explain its conceptual role in the energy conservation? Define the term 'eco-sufficiency'? What is renewable energy? List the mainstream renewable energy technologies? **10**

PART – B (20 Marks)

- 4 Analyze the impacts of nutrient loading and invasive species on biodiversity? Suggest strategies for avoiding/reducing the impacts if any? **10**

- 5 Draw an age-sex pyramid from the data given in the table below and write at least five inferences drawn from the pyramid? **10**



Age	No. of males	No. of females
1-10	100000	10000
11-20	105000	15000
21-30	110000	40000
31-40	105000	80000
41-50	100000	100000
51-60	95000	95000
61-70	90000	90000
71-80	45000	25000
81-90	5000	15000
91-100	100	5