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 **PRESIDENCY UNIVERSITY**

  **Bengaluru**

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| **End - Term Examinations – JANUARY 2025** |
| **Date:** 17 – 01- 2025 **Time:** 01:00 pm – 04:00 pm |

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| **School:** SOMS | **Program:** BA Journalism |
| **Course Code:** CHE1020 | **Course Name:** Environmental Studies and Sustainable Development |
| **Semester**: I | **Max Marks**: 100 | **Weightage**: 50% |

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| **CO - Levels** | **CO1** | **CO2** | **CO3** | **CO4** | **CO5** |
| **Marks** | **14** | **14** | **36** | **36** | **NA** |

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Do not write anything on the question paper other than roll number.*

**Part A**

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| --- |
| **Answer ALL the Questions. Each question carries 2marks. 10Q x 2M=20M** |
| **1** | Name two elemental composition of earth’s crust.  | **2 Marks** | **[Remember]** | **CO1** |
| **2** | Define producers with suitable examples.  | **2 Marks** | **[Remember]** | **CO2** |
| **3** | Mention two importance of hydrosphere.  | **2 Marks** | **[Remember]** | **CO1** |
| **4** | Define natural ecosystem with suitable examples.  | **2 Marks** | **[Remember]** | **CO2** |
| **5** | Name four sources of noise pollution. | **2 Marks** | **[Remember]** | **CO3** |
| **6** | List out two consequences of global warming.  | **2 Marks** | **[Remember]** | **CO3** |
| **7** | Define natural resources by giving suitable examples.  | **2 Marks** | **[Remember]** | **CO4** |
| **8** | Define the process of soil erosion. | **2 Marks** | **[Remember]** | **CO4** |
| **9** | Mention two effects of e-wastes on human health.  | **2 Marks** | **[Remember]** | **CO3** |
| **10** | List out two objectives of hygiene education.  | **2 Marks** | **[Remember]** | **CO4** |

**Part B**

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| **Answer the Questions Total 80 Marks.** |
| **11.** | **a.** | Describe the process of carbon cycle occurring in nature. | **10 Marks** | **[Understand]** | **CO1** |
|  | **b.** | Explain the types of species interaction in an ecosystem.  | **10 Marks** | **[Understand]** | **CO2** |
| **or** |  |  |  | **[Remember]** |
| **12.** | **a.** | Describe the process of water cycle occurring in nature. | **10 Marks** | **[Understand]** | **CO1** |
|  | **b.** | Describe the natural and anthropogenic causes of biodiversity loss.  | **10 Marks** | **[Understand]** | **CO2** |
|  |  |  |  |  |  |
| **13.** | **a.** | Explain the causes, effects and solutions to air pollution.  | **10 Marks** | **[Understand]** | **CO3** |
|  | **b.** | Describe e-wastes and mention the causes, effects, and its prevention.  | **10 Marks** | **[Understand]** | **CO3** |
| **or** |
| **14.** | **a.** | Explain the causes, effects and solutions to water pollution.  | **10 Marks** | **[Understand]** | **CO3** |
|  | **b.** | Explain the causes, effects and solutions to global warming.  | **10 Marks** | **[Understand]** | **CO3** |

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| **15.** | **a.** | Describe the advantages and disadvantages of renewable sources of energy.  | **10 Marks** | **[Understand]** | **CO4** |
|  | **b.** | Describe natural and anthropogenic causes for soil erosion.  | **10 Marks** | **[Understand]** | **CO4** |
| **Or** |
| **16.** | **a.** | Describe the advantages and disadvantages of non-renewable sources of energy.  | **10 Marks** | **[Understand]** | **CO4** |
|  | **b.** | Explain the ways to conserve and store food resources.   | **10 Marks** | **[Understand]** | **CO4** |

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| **17.** | **a.** | List out the reason for high population in urban area.  | **10 Marks** | **[Understand]** | **CO4** |
|  | **b.** | List out solutions to environmental hazards.  | **5 Marks** | **[Understand]** | **CO3** |
|  | **c.** | Briefly describe the concept of 3R with examples.  | **5 Marks** | **[Understand]** | **CO3** |
| **Or** |
| **18.** | **a.** | Describe the causes for the food problems across the globe.  | **10 Marks** | **[Understand]** | **CO4** |
|  | **b.** | Explain solid-waste management and describe the types of solid-waste based on their properties.  | **5 Marks** | **[Understand]** | **CO3** |
|  | **c.** | Describe the four types of environmental hazards with suitable examples.  | **5 Marks** | **[Understand]** | **CO3** |

**\*\*\*\*\* BEST WISHES \*\*\*\*\***