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PRESIDENCY UNIVERSITY BENGALURU

SCHOOL OF ENGINEERING

SUMMER TERM END TERM EXAMINATION - AUG 2024

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| **Semester: 2023-24** | **Date: 05/08/2024** |
| **Course Code: CHE1001** | **Time: 9:30 am – 12:30 pm** |
| **Course Name: Environmental Studies** | **Max Marks: 100** |
| **Program: BTech** | **Weightage: 50%** |

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Question paper consists of 3 parts.*
3. *Scientific and non-programmable calculator are permitted.*
4. *Do not write any information on the question paper other than Roll Number.*

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| **PART A** | | | |
| **ANSWER ANY 10 QUESTIONS (10QX2M=20M)** | | | |
| 1. | Give two examples for adaption to the environment. | (CO 1) | [Knowledge] |
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| 2. | Give two examples for common natural disasters. | (CO 1) | [Knowledge] |
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| 3. | Give two examples for biotic and abiotic resources each | (CO 1) | [Knowledge] |
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| 4. | Mention the uses of freshwater. | (CO 1) | [Knowledge] |
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| 5. | Give examples for any two renewable resources. | (CO 1) | [Knowledge] |
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| 6. | Mention the causes of noise pollution. | (CO 1) | [Knowledge] |
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| 7. | Name the two air pollutants that cause acid rain? | (CO 1) | [Knowledge] |
| 8. | What is the meaning of biodiversity? | (CO 1) | [Knowledge] |
| 9. | List out any four types of pollution | (CO 1) | [Knowledge] |
| 10. | Mention any two biological pollutants that cause water pollution | (CO 1) | [Knowledge] |
| 11. | What is greenhouse effect? | (CO 1) | [Knowledge] |
| 12. | What is ISO? | (CO 1) | [Knowledge] |

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| **PART B** | | | |
| **ANSWER ANY 8 QUESTIONS (8QX5M=40M)** | | | |
| 13. | Differentiate between adaptation and modification based on human-environment interaction. | (CO 3) | [Comprehension] |
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| 14. | Categorize the following into renewable and non-renewable energy sources: a) Crude oil, b) Tidal energy, c) Natural gas, d) LPG, e) Nuclear energy, f) Biomass, g) Geothermal energy, h) Coal | (CO 2) | [Comprehension] |
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| 15. | Explain the classification of resources. | (CO 3) | [Comprehension] |
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| 16. | What is deforestation? List out the effects of deforestation. | (CO 3) | [Comprehension] |
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| 17. | What is acid rain? discuss the sources and ill effects of it. | (CO 2) | [Comprehension] |
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| 18. | Explain the three types of biodiversity with examples. | (CO 2) | [Comprehension] |
| 19. | List out the objectives of environmental protection act 1986. | (CO 3) | [Comprehension] |
| 20. | Write a note on classification of water quality parameters. | (CO 3) | [Comprehension] |
| 21. | List out the harmful effects of solid waste. | (CO 2) | [Comprehension] |
| 22. | Discuss the 3R principle. | (CO 2) | [Comprehension] |
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| **PART C** | | | |
| **ANSWER ANY 4 QUESTIONS (4QX10M=40M)** | | | |
| 23. | Discuss the causes, effects and solutions of global warming. | (CO 2) | [Comprehension] |
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| 24. | In detail discuss the causes, ill effects and methods of control of air pollution. | (CO 3) | [Comprehension] |
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| 25. | List out the types of species interaction. Discuss five species interaction with examples. | (CO 2) | [Comprehension] |
| 26. | Explain the causes, effects and solutions for ozone layer depletion. | (CO 3) | [Comprehension] |
| 27. | What are renewable and non-renewable resources? discuss the disadvantages of non-renewable resources and advantages of renewable resources. | (CO 2) | [Comprehension] |
| 28. | In detail discuss the causes, ill effects and methods of control of water pollution. | (CO 2) | [Comprehension] |
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