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PRESIDENCY UNIVERSITY BENGALURU

 SCHOOL OF DESIGN

SUMMER TERM END TERM EXAMINATION - AUG 2024

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| **Semester: Summer term 2023-24** | **Date: 05/08/2024** |
| **Course Code: CHE1020** | **Time: 9:30 am – 12:30 pm** |
| **Course Name: Environmental Studies & Sustainable development** | **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. | Write down any two scope of environmental studies. | (CO 1) | [Knowledge] |
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| 2. | Write any four names of megadiverse countries. | (CO 1) | [Knowledge] |
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| 3. | Define Urban area. | (CO 1) | [Knowledge] |
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| 4. | Define natural resources. | (CO 1) | [Knowledge] |
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| 5. | Define food with examples. | (CO 1) | [Knowledge] |
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| 6. | Write any four environmental issues in Urban areas. | (CO 1) | [Knowledge] |
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| 7. | Write any two impact of malnutrition.  | (CO 1) | [Knowledge] |
| 8. | Write any two types of food groups. | (CO 1) | [Knowledge] |
| 9. | Write any two types of renewable resources. | (CO 1) | [Knowledge] |
| 10. | Identify the following pollutants with suitable type of hazard and pollution, a) Loud speakers and b) Coronavirus | (CO 1) | [Knowledge] |
| 11. | Define environment | (CO 1) | [Knowledge] |
| 12. | What is soil conservation? | (CO 1) | [Knowledge] |

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| **PART B** |
|  **ANSWER ANY 8 QUESTIONS (8QX5M=40M)** |
| 13. | Explain the types of biodiversity. | (CO 3) | [Comprehension] |
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| 14. | What are ecological pyramids? Describe the pyramid of biomass. | (CO 2) | [Comprehension] |
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| 15. | Explain the different layers of atmosphere.  | (CO 3) | [Comprehension] |
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| 16. | Explain the different causes of greenhouse effect? | (CO 3) | [Comprehension] |
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| 17. | Write a short note on the health effects of noise pollution?  | (CO 2) | [Comprehension] |
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| 18. | What is balance diet? Explain with Healthy Eating Food Pyramid. | (CO 2) | [Comprehension] |
| 19. | Write down the types of non-renewable energy sources. | (CO 3) | [Comprehension] |
| 20. | Write about the main reasons for high population in urban area. | (CO 3) | [Comprehension] |
| 21. | What is soil erosion? Mention what are the causes for soil erosion. | (CO 2) | [Comprehension] |
| 22. | What are the unique properties of water? | (CO 2) | [Comprehension] |
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| **PART C** |
|  **ANSWER ANY 4 QUESTIONS (4QX10M=40M)** |
| 23. | Write the advantages and disadvantages of non-renewable and renewable energy resources. | (CO 2) | [Comprehension] |
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| 24. | Classify the components of ecosystem. Discuss in detail. | (CO 3) | [Comprehension] |
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| 25. | With necessary example explain in detail the ecological succession. | (CO 2) | [Comprehension] |
| 26. | What is e-waste? Explain in detail about the resources available in e-waste and the solution for controlling the e-waste. | (CO 3) | [Comprehension] |
| 27. | What are solid wastes? Indicate the health impact of solid wastes in urban areas. | (CO 2) | [Comprehension] |
| 28. | Write the classification of food with examples and write the historical and current methods to secure the food.  | (CO 2) | [Comprehension] |
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