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PRESIDENCY UNIVERSITY BENGALURU

SCHOOL OF DESIGN END TERM EXAMINATION - JUN 2023

Semester : Semester II&IV - 2022&2021

Course Code : CHE1020

Course Name : Sem II&IV - CHE1020 - Environmental Studies and Sustainable Development

Program : BSM

Date : 21-JUN-2023

Time : 1.00PM -3.00PM

Max Marks : 100

Weightage : 50%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS

(10 X 2 = 20M)

1. Write any two impact of malnutrition. (CO4) [Knowledge]
2. Explain food sanitation. (CO4) [Knowledge]
3. Explain about Ozone layer depletion. (CO3) [Knowledge]
4. Write the two types of ecological succession. (CO2) [Knowledge]
5. Identify the following pollutants with suitable type of hazard and pollution.
a) Loud speakers and b) Coronavirus (CO3) [Knowledge]
6. Write any two environmental issues in Urban areas. (CO3) [Knowledge]
7. Define hydrosphere. (CO1) [Knowledge]
8. Define natural resources. (CO4) [Knowledge]

- 9.** Find out the types of species for the following animals.
a) Philippine crocodile and b) Sumatran Orangutan (CO2) [Knowledge]

10. Write down any two scope of environmental studies. (CO1) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(10 X 5 = 50M)

11. What are 3 R's principle? How will you apply for waste management. (CO3) [Comprehension]
 12. What is soil erosion? Mention what are the causes for soil erosion? (CO4) [Comprehension]
 13. Discuss the methods of conservation of biodiversity with example. (CO2) [Comprehension]
 14. Write a note on different factors affecting the biodiversity. (CO2) [Comprehension]
 15. List out the renewable energy sources. (CO4) [Comprehension]
 16. Explain how carbon cycle is processed in the environment and discuss the effect of human activities on carbon cycle. (CO1) [Comprehension]
 17. Write down the types of renewable energy sources. (CO4) [Comprehension]
 18. What are the health effect of noise pollution? (CO3) [Comprehension]
 19. What are ecological pyramids? Explain the pyramid of biomass with representation. (CO1) [Comprehension]
 20. What are the causes of greenhouse effect? (CO3) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(3 X 10 = 30M)

21. Write the classification of food with examples and write the historical and current methods to secure the food. (CO4) [Application]

22. Explain the types of solid wastes. Indicate the health impact of solid wastes in urban areas. (CO3) [Application]

23. Classify the components of ecosystem. Discuss in detail. (CO1) [Application]