

Roll No



**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]