

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

SET-A

**SCHOOL OF ENGINEERING
END TERM EXAMINATION – MAY/JUNE 2024**

Semester : Semester II - 2023

Date : June 10, 2024
Time:9:30AM-12:30PM

Course Code : CHE1020

Max Marks : 100

Course Name : - Environmental Studies and Sustainable Development

Program : B.Tech

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 ANY 10 QUESTIONS

10Q X 2M=20M

1. Give an example each for natural and man-engineered ecosystem.
(CO4,CO3,CO1,CO2) [Knowledge]
2. Give two examples for abiotic components in ecosystem.
(CO4,CO3,CO2,CO1) [Knowledge]
3. What is the composition of e-waste?
(CO4,CO3,CO1,CO2) [Knowledge]
4. What is soil erosion?
(CO2,CO1,CO3,CO4) [Knowledge]
5. Define ecosystem diversity.
(CO4,CO3,CO1,CO2) [Knowledge]
6. What are pioneer species.
(CO4,CO3,CO1,CO2) [Knowledge]
7. What is ozone chemically? Mention its unit.
(CO2,CO1,CO3,CO4) [Knowledge]
8. Give an example each for micromineral and trace mineral.
(CO2,CO1,CO3,CO4) [Knowledge]
9. What is greenhouse effect?
(CO2,CO1,CO3,CO4) [Knowledge]
10. Write any two types of sanitation.
(CO3,CO4,CO1,CO2) [Knowledge]
11. Name any four natural renewable resources
(CO2.CO1,CO3,CO4)[Knowledge]

12. Identify the following pollutants/agents corresponding to suitable type of hazard and pollution: a) Surgical discards and b) Influenza
(CO2,CO1,CO3,CO4) [Knowledge]

PART B

ANSWER ANY 8 QUESTIONS

8Q X 5M=40M

13. Discuss environmental hazard. Name any three examples. (CO2,CO4,CO3,CO1) [Comprehension]
14. Describe the natural and other causes of soil erosion. (CO2,CO4,CO1,CO3) [Comprehension]
15. Explain following two urban environmental problems: a) Violation of urban planning rules b) Water logging and drainage
(CO3,CO4,CO2,CO1) [Comprehension]
16. Discuss any five reasons for world food problems.
(CO3,CO4,CO1,CO2) [Comprehension]
17. Write a short note on overutilization of water resource.
(CO3,CO4,CO2,CO1) [Comprehension]
18. Environmental science is a multidisciplinary in nature. Explain.
(CO3,CO4,CO2,CO1) [Comprehension]
19. Explain how human beings are altering the water cycle and what are the consequences.
(CO2,CO4,CO3,CO1) [Comprehension]
20. Give the classification of resources based on origin and renewability with examples.
(CO3,CO4,CO2,CO1) [Comprehension]
21. Explain the types of biodiversity with an example.
(CO3,CO4,CO2,CO1) [Comprehension]
22. Write a brief note on biological hazard.
(CO3,CO4,CO2,CO1) [Comprehension]

PART C

ANSWER ANY 4 QUESTIONS

4Q X 10M=40M

23. Outline the advantages of renewable energy sources in comparison with non-renewable sources.
(CO3,CO4,CO2,CO1) [Application]
24. Write a note on balanced diet. Name any two scenarios of malnutrition with example.
(CO4,CO3,CO2,CO1) [Application]
25. 'Noise must be recognized as a major threat to human well-being'. Support this statement by considering its health impact and recommend the solution.
(CO1,CO4,CO3,CO2) [Application]
26. Elaborate on causes and prevention of greenhouse effect.
(CO2,CO3,CO1,CO4) [Application]
27. Explain the components of food with their role and source.
(CO4,CO3,CO2,CO1) [Application]
28. Explain solid waste generation, sources and its impact in urban area.
(CO4,CO1,CO2,CO3)[Application]

