PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
END TERM EXAMINATION - JUN 2023

Semester : Semester II - 2022
Course Code : CHE1018
Course Name : Sem II - CHE1018 - Environmental Science
Program : CAI,CIV,COM,CSE&CSG

Date : 10-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. On the basis of population and population density, which areas can be called as 'urban areas'?

                                                           (CO3) [Knowledge]

2. What is species diversity?

                                                           (CO2) [Knowledge]

3. State two reasons for high population in urban areas.

                                                           (CO3) [Knowledge]

4. What is air pollution?

                                                           (CO3) [Knowledge]

5. Name the geographical areas that are the biodiversity hotspot in India?

                                                           (CO2) [Knowledge]

6. Name two air pollutant that causes acid rain.

                                                           (CO3) [Knowledge]

7. What is environment?

                                                           (CO1) [Knowledge]

8. Mention the names of major greenhouse gases.

                                                           (CO3) [Knowledge]

9. What unit is used for pyramid of energy?

                                                           (CO1) [Knowledge]

10.   What is water desalination?

                                                           (CO3) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS   **(5 X 10 = 50M)**

11. What are the major five species interactions? Explain with example.

                                                          (CO2) [Comprehension]

12. Discuss the classification of components of ecosystem in details.

                                                          (CO1) [Comprehension]

13. Define and give two examples of each of the following species: a) Endangered species, b) Endemic species, c) Extinct species, d) Rare species.

                                                          (CO2) [Comprehension]

14. Describe the types of ecosystem with suitable example.

                                                          (CO1) [Comprehension]

15. Discuss the major reasons of greenhouse effect. Explain the consequences of greenhouse effect. How greenhouse effect can be prevented?

                                                          (CO3) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS   **(2 X 15 = 30M)**

16. Discuss in detail any three environmental problems in urban areas.

                                                           (CO3) [Application]

17. Write the advantages and disadvantages of non-renewable and renewable energy resources.

                                                           (CO3) [Application]