

Roll No



**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF MEDIA STUDIES  
MID TERM EXAMINATION - NOV 2023**

**Semester :** Semester I - 2023

**Course Code :** CHE1020

**Course Name :** Sem I - CHE1020 - Environmental Studies and Sustainable Development

**Program :** BAJ

**Date :** 3-NOV-2023

**Time :** 9:30AM - 11:00AM

**Max Marks :** 50

**Weightage :** 25%

**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**

**(5 X 2 = 10M)**

1. What is hydrosphere? (CO1) [Knowledge]
2. Define food chain. (CO1) [Knowledge]
3. Define Biosphere. (CO1) [Knowledge]
4. Write any 2-biodiversity hot spots region in India. (CO2) [Knowledge]
5. Write the name of any two mega-biodiverse countries. (CO2) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS**

**(2 X 10 = 20M)**

6. a) Explain all the layers of atmosphere.  
b) Biodiversity is under severe threat because of both natural causes and excessive human interference. What kind of conservative measures can be considered to preserve the biodiversity? (CO2,CO1) [Comprehension]

7. a) Carbon is present in environment in the form of carbon dioxide, various salts and minerals. Explain how carbon cycle is processed in the environment and discuss the effect of human activities on carbon cycle.  
b) What are the factors affecting the biodiversity? Explain in detail.

(CO2,CO1) [Comprehension]

### **PART C**

**ANSWER ALL THE QUESTIONS**

**(1 X 20 = 20M)**

8. An ecosystem consists of the biological community that occurs in some locale, and the physical and chemical factors that make up its non-living or abiotic environment. Explain different components of an ecosystem signifying above statement.

(CO1) [Application]