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# PRESIDENCY UNIVERSITY

BENGALURU

## Mid - Term Examinations - March 2026

Date: 12-03-2026

Time: 09:30am - 11.00am

<b>School:</b> SOCSE	<b>Program:</b> B. Tech (Computer Science Engineering)		
<b>Course Code:</b> CIV2001	<b>Course Name:</b> Sustainability Concepts in Engineering		
<b>Semester:</b> VI	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%	

CO - Levels	C01	C02	C03	C04	C05	C06
<b>Marks</b>	<b>12</b>	<b>24</b>	<b>14</b>			

### Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

### Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	What is Earth Overshoot Day?	2 Marks	L1	C01
2	What is the purpose of National Green Tribunal Act, 2010	2 Marks	L1	C02
3	What is the purpose of the Paris Agreement?	2 Marks	L1	C02
4	List any four Ozone depleting substances	2 Marks	L1	C03
5	List the types of Environmental Degradation.	2 Marks	L1	C03

## Part B

### Answer the Questions.

Total Marks 40M

6.	a.	Explain in detail the nexus between Technology and Sustainable Development with examples.	10 Marks	L2	CO1
<b>Or</b>					
7.	a.	Explain the concepts of ecological footprint and biocapacity. Discuss their significance in assessing environmental sustainability.	10 Marks	L2	CO1
<b>Or</b>					
8.	a.	Explain in detail any five Multilateral Environmental Agreements (MEAs) or international protocols, highlighting their objectives and significance.	10 Marks	L2	CO2
<b>Or</b>					
9.	a.	Discuss the purpose, key features and significance of the Kyoto Protocol.	10 Marks	L2	CO2
<b>Or</b>					
10.	a.	Describe the objectives and key provisions of the Air Act, 1981 and the Water Act, 1974.	10 Marks	L2	CO2
<b>Or</b>					
11.	a.	Explain the Sustainable Development Goals (SDGs), highlighting their objectives and key features.	10 Marks	L2	CO2
<b>Or</b>					
12.	a.	Explain the concept of climate change, describe its effects, and discuss the measures to mitigate its impact	10 Marks	L2	CO3
<b>Or</b>					
13.	a.	Describe carbon credits and carbon tax as market-based instruments for controlling carbon emissions.	10 Marks	L2	CO3