



PRESIDENCY UNIVERSITY

BENGALURU

Roll No.															
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Mid - Term Examinations - March 2026

Date: 12-03-2026

Time: 09:30am - 11.00am

School: SOCSE	Program: B.Tech. Computer Science		
Course Code : CIV1002	Course Name: Environmental Science and Disaster Management		
Semester: VI	Max Marks: 50	Weightage: 25%	

CO - Levels	C01	C02	C03	C04	C05
Marks	24	26	---	---	---

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	Define aquifer.	2 Marks	L1	C01
2	List any two types of water induced soil erosion.	2 Marks	L1	C01
3	Define an ecosystem.	2 Marks	L1	C02
4	List two types of lakes.	2 Marks	L1	C02
5	List the two biodiversity hotspots of India.	2 Marks	L1	C02

Part B

Answer the Questions.

Total Marks 40M

6.	a.	<p>A fertilizer-intensive agricultural catchment of area 100 ha grows millets. The following data are given:</p> <ul style="list-style-type: none"> • Nitrogen application rate = 150 kg N/ha/year • Fraction of applied nitrogen leached to groundwater = 25% • Maximum allowable nitrate concentration in groundwater, <p>$C_{max} = 15 \text{ mg/L}$ Natural background nitrate concentration, $C_{nat} = 2.5 \text{ mg/L}$ (a) Find the annual grey water footprint of the catchment. (b) Express the grey water footprint per hectare.</p>	10 Marks	L2	CO1
	b.	Describe types of organic and inorganic fertilizers along with their importance.	10 Marks	L2	CO1
Or					
7.	a.	Discuss five reasons for river interlinking and five issues in implementing river interlinking projects in India.	10 Marks	L2	CO1
	b.	Discuss the impacts of mining and remedial measures to prevent large scale impacts.	10 Marks	L2	CO1

8.	a.	Discuss the causes and reasons for man-wildlife conflicts.	10 Marks	L2	CO2
	b.	Describe the lake ecosystem with a neat sketch. Also explain any two lake organisms.	10 Marks	L2	CO2
Or					
9.	a.	Describe the three phases of a river ecosystem.	10 Marks	L2	CO2
	b.	Describe ecological pyramids with diagrams.	10 Marks	L2	CO2