Roll No.												

PRESIDENCY UNIVERSITY
BENGALURU

School of Information Science

Mid - Term Examinations - November 2024

Date: 04-11-2024

Course Code: CHE1020 **Time**: 11.45am to 01.15pm

Course Name: Environmental Studies and Sustainable Development **Max Marks**: 50

Weightage: 25%

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. 5Qx2M=10M

1	Name two abiotic component of ecosystem.	**2 Marks**	**Remember**	**CO1**
2	Define natural ecosystem with suitable examples.	**2 Marks**	**Remember**	**CO1**
3	Name four current environmental problem.	**2 Marks**	**Remember**	**CO1**
4	Find out the types of species for the following animals: (a) Philippine crocodile and b) Sumatran Orangutan	**2 Marks**	**Remember**	**CO2**
5	Define biodiversity hotspot along with example.	**2 Marks**	**Remember**	**CO2**

Part B

Answer ALL Questions. Each question carries 10 marks. 4QX10M=40M

6	Explain the process flow of water cycle and influence of human activities.	**10Marks**	**Understanding**	**CO1**

or

7		Explain the process flow of carbon cycle and influence of human activities.	**10Marks**	**Understanding**	**CO1**
8		Describe in detail the threats to biodiversity.	**10Marks**	**Understanding**	**CO2**
		or			
9		Explain with necessary examples the types Species interaction.	**10Marks**	**Understanding**	**CO2**
10	**10a**	In every ecosystem there is an organism at the lowest level that can convert energy from the sun into usable forms of energy for other organisms. Support this statement with an example.	**5Marks**	**Remember**	**CO1**
	10b	With examples describe the types of ecosystem.	**5Marks**	**Remember**	**CO1**
		or			
11	**11a**	What are ecological pyramids? Describe the pyramid of numbers.	**5Marks**	**Remember**	**CO1**
	11b	Discuss how matter or energy flows in an ecosystem. Represent the same in food chain and explain.	**5Marks**	**Remember**	**CO1**
12		Discuss in detail about genetically modified crop and its positive impact on environment and mankind.	**10Marks**	**Understanding**	**CO2**
		or			
13		In detail describe endangered, endemic, rare and extinct species with suitable examples.	**10Marks**	**Understanding**	**CO2**