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# PRESIDENCY UNIVERSITY

## BENGALURU

### End - Term Examinations – MAY 2025

Date: 24-05-2025

Time: 01:00 pm –04:00 pm

School: SOCSE / SOE	Program: B. Tech- Basic Engineering Science Cycle	
Course Code: CHE1018	Course Name: Environmental Science	
Semester: II	Max Marks: 100	Weightage: 50%

CO - Levels	C01	C02	C03	C04	C05
Marks	16	14	14	42	14

#### 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.

10Q x 2M=20M

1.	Give two examples for natural disaster.	2 Marks	L1	C01
2.	Mention any two important inventions made by early humans	2 Marks	L1	C01
3.	Mention the classification of sources of water along with examples	2 Marks	L1	C01
4.	Name any four essential elements that help in enriching the soil	2 Marks	L1	C02
5.	Define land degradation	2 Marks	L1	C02
6.	Classify the following into type of species: 1. Galapagos Tortoise 2. Black Rhino	2 Marks	L1	C03
7.	Define species diversity. Provide an example.	2 Marks	L1	C03
8.	What are two main factors responsible for climate change	2 Marks	L1	C04
9.	What is ISO?	2 Marks	L1	C05
10.	Name any two international environmental treaties.	2 Marks	L1	C05

## Part B

### Answer the Questions.

Total Marks 80M

11.	a.	Differentiate between adaptation and modification in the context of human-environment interaction, providing relevant examples to support your explanation.	10 Marks	L2	C01
Or					
12.	a.	Describe the effects on environment caused by anthropogenic activities.	10 Marks	L2	C01
13.	a.	What are renewable and non-renewable resources? discuss the disadvantages of non-renewable resources and advantages of renewable resources.	10 Marks	L2	C02
Or					
14.	a.	Discuss the major chemical substances responsible for the depletion of the ozone layer. Explain their primary sources and elaborate on the global measures taken to control their emissions.	10 Marks	L2	C02
15.	a.	Explain the 3R principle of waste management by briefly describing each component and outline the main steps involved in Environmental Risk Assessment.	10 Marks	L2	C05
Or					
16.	a.	Discuss innovative methods that have been used or can be adopted to promote public awareness about environmental conservation.	10 Marks	L2	C05
17.	a.	List out the types of species interaction. Discuss five species interaction with suitable examples.	10 Marks	L2	C03
Or					
18.	a.	Briefly explain the natural and anthropogenic threats to the biodiversity.	10 Marks	L2	C03
19.	a.	Explain in detail the major causes of air pollution, its harmful effects on the environment and human health, and discuss various methods for its control.	20 Marks	L2	C04
Or					
20.	a.	Describe the main causes and effects of global warming and suggest possible measures to address the issue.	20 Marks	L2	C04
21.	a.	Discuss the major causes of soil pollution. Explain its adverse effects on the environment and human health and describe effective methods for controlling it.	20 Marks	L2	C04
Or					
22.	a.	Describe photochemical smog and mention the causes, effect and solution to overcome its adverse effect on environment.	20 Marks	L2	C04