

# SHRI RAMSWAROOP MEMORIAL UNIVERSITY

## End Semester Examination (2021-22)-Odd Semester

M. Sc. (Environment Science) – I Year (I Sem)

Course Name: Fundamental of Environmental Science

Code: MCE1005

Time: 02 Hours

Max Marks: 60

University Roll No.

(To be filled by the Student)

**Note: Please read instructions carefully:**

- The question paper has 03 sections and it is compulsory to attempt all sections.
- All questions of Section A are compulsory; questions in Section B and C contain choice.

<b>Section A: Very Short Answer Type Questions</b> <b>Attempt all the questions.</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (10)</b>
1.	Define ecological niche.	BL1	CLO1	02
2.	What do biogeochemical cycles depict?	BL2	CLO2	02
3.	Define acid rain.	BL2	CLO2	02
4.	Explain the concept of sustainable development.	BL2	CLO3	02
5.	State the importance of biodiversity.	BL1	CLO2	02
<b>Section B: Short Answer Type Questions</b> <b>Attempt any 03 out of 05 questions.</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (30)</b>
1.	Define Lindermann's law of 10%	BL2	CLO1	10
2.	Define biotic and abiotic components of an ecosystem. Also, give examples of (i) natural ecosystem and (ii) man-made ecosystem.	BL2	CLO1	10
3.	List the function of ecosystem.	BL4	CLO2	10
4.	Discuss biodiversity conservation strategies.	BL1	CLO3	10
5.	Write a brief note on World Forest Resources.	BL2	CLO4	10
<b>Section C: Long Answer Type Questions/Case Study</b> <b>Attempt any 01 out of 03 questions.</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (20)</b>
1.	Elaborate the problems of waterlogging, salinity, and soil erosion. Also, suggest mitigation measures for them.	BL6	CLO5	20
2.	Explain the term ecosystem. What main types of life would exist on the earth today if organisms that produce biomass by photosynthesis had not developed?	BL5	CLO2	20
3.	"Biogeochemical cycles are an essential component of the ecosystem. They establish balance in the ecosystem and thus support all forms of life". Elaborate the statement in detail.	BL5	CLO4	20