

# SHRI RAMSWAROOP MEMORIAL UNIVERSITY

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

### M.Sc. (Environmental Science) – I Year (I Sem)

Course Name: Environmental Earth Science

Code: MCE 1007

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>BL</b>	<b>CLO</b>	<b>Marks (10)</b>
<b>Attempt all the questions.</b>				
1.	Define 'Regolith'.	BL1	CLO1	02
2.	Differentiate between loess and dunes.	BL1	CLO1	02
3.	Explain hydration and hydrolysis.	BL2	CLO2	02
4.	What do you understand by the term 'tonnage'?	BL1	CLO1	02
5.	Differentiate between reverse fault and tear fault.	BL1	CLO1	02
<b>Section B: Short Answer Type Questions</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (30)</b>
<b>Attempt any 03 out of 05 questions.</b>				
1.	What are the different types of sand dunes? Explain each of them briefly.	BL2	CLO2	10
2.	Explain the various processes of mechanical weathering.	BL2	CLO2	10
3.	Draw a well labelled diagram representing the soil profile. Explain them briefly.	BL6	CLO4	10
4.	Briefly explain the process of continent-continent convergence leading to the formation of mountains with the help of an example.	BL2	CLO2	10
5.	List the different types of folds and explain each of them briefly.	BL2	CLO2	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.	Discuss 'Cryoturbation'. Illustrate in detail the different cryogenic processes with the help of neat sketches. Also explain how degradation is responsible for water logging.	BL6	CLO3	20
2.	Explain in detail about the following: 1. 'Landslide' 2. 'Earthquake'. 3. Coal Deposits of India	BL5	CLO4	20
3.	Write a detailed note on: 1. Various types of Glaciers. 2. Sea floor spreading.	BL4	CLO4	20

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