



Reg. No.: .....

Name: .....

## University of Kerala

First Semester FYUGP Degree Examination, December 2025

Discipline Specific Core Course

### GEOLOGY

UK1DSCGLY151 - Earth Processes

Academic Level: 100-199

2024 Admission onwards

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark  
Each.Answer all questions

Qn No.	Question	CL	CO
1	A ring shaped reef surrounding a lagoon is called .....	RE	1
2	The wind formed deposits are also known as .....	RE	1
3	Windblown deposits are geologically known as.....	UN	1
4	Name the depression formed by the removal of particle by the wind	UN	1
5	What wind eroded depression can hold water in deserts?	UN	2
6	Which type of erosional land forms produced by rivers in region composed of alternating beds of hard and soft rocks	UN	2

Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Explain the different process involved in the transportation of a river.	UN	2
8	Define physical weathering and its types.	UN	2
9	Distinguish between a Barchan and a Seif	AP	1
10	How is ox-bow lake formed	AP	2

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options \* within each question

Qn No.	Question	CL	CO
11	A)	AP	3, 3

Qn No.	Question	CL	CO
	<p>Briefly explain the geological action of ground water and associated landforms.</p> <p>OR</p> <p>B)</p> <p>Demonstrate the global warming and its effects on glaciers</p>		
12	<p>A)</p> <p>Analyze the different types of weathering and its controlling factors</p> <p>OR</p> <p>B)</p> <p>Analyze the erosional landform features produced by wind with neat sketches.</p>	AN	3, 3
13	<p>A)</p> <p>Evaluate the river as geological agent and its landforms</p> <p>OR</p> <p>B)</p> <p>Evaluate erosional and depositional features of wind</p>	EV	2, 2
14	<p>A)</p> <p>Prepare a simple chart comparing the three types of weathering (physical, chemical, biological) with one example for each</p> <p>OR</p> <p>B)</p> <p>Illustrate the formation of a typical soil horizon in a diagram, and annotate the key processes responsible for its development.</p>	CR	1, 1