

Reg. No.:



Name:

University of Kerala

U8766

Second Semester FYUGP Degree Examination, April 2025

Discipline Specific Core Course

GEOLOGY

UK2DSCGLY100 - Physical Geology and Geomorphology

Academic Level: 100-199

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	Humus is found in Options : A)A -horizon B)B -horizon C)C -horizon D)R -horizon	RE	2
2	The general term used to denote a circular coral reef that surrounds a lagoon	RE	3
3	Identify the stage of the river where transportation is more prominent than erosion.	UN	1
4	_____ are narrow waterways that connect inland waters to the sea.	UN	2
5	Explain differential weathering.	UN	1
6	Which erosional process is responsible for valley lengthening by rivers?	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	What is the role of living organisms in biological weathering?	UN	2
8	Distinguish between creep and slump	UN	2
9	Distinguish between regolith and soil?	AP	2
10	Some coastlines experience more erosion than others. Comment	AP	3

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) Describe the classification and ecological significance of lakes	AP	2, 3

Qn No.	Question	CL	CO
	OR B) Discuss the process of transportation and deposition of sediments along the coasts.		
12	A) Explain different types of weathering and their products with examples. OR B) A stream can transport sediments irrespective of their size. Evaluate	AN	2, 3
13	A) a) Evaluate the geological significance and economic importance of continental shelves. b) Assess the impact of climate change on continental shelf ecosystems. OR B) Ground water is a major erosional agent in limestone terrains. Give reasons	EV	3, 3
14	A) a) Design a 2D model of an Ocean Floor and label the physiographic features. b) Propose a method to demonstrate the dynamic processes (e.g., plate tectonics) shaping these features. OR B) Explain how climate influences the formation of landforms.	CR	3, 2