



Reg. No.:

Name:

University of Kerala

First Semester FYUGP Degree Examination, December 2025

Discipline Specific Core Course

GEOLOGY

UK1DSCGLY170 - General Perspectives of Geology

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	What is the smallest planet in our solar system?	RE	1
2	What does the 'law of order of superposition' state?	RE	2
3	Name a Monomineralic Rock	UN	3
4	What is the name of the instrument used to record seismic waves during an earthquake?	UN	1
5	The point on the earth surface vertically above the focus.	UN	2
6	Name the type of rock found in oceanic crust.	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	How does the tilt of the earth's axis cause seasonal changes?	UN	1
8	Differentiate between igneous and sedimentary rocks with one example each.	UN	2
9	Differentiate ore forming and rock forming minerals	AP	3
10	A rock layer contains marine fossils, while the layer above has terrestrial plant fossils. What does this indicate about past environments?	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>Discuss the major divisions of the geological timescale, including significance of eons, eras, periods, and epochs. How does the geological timescale reflect the history of Earth and the evolution of life? Provide examples of key events that characterize each division.</p> <p>OR</p> <p>B)</p> <p>Explain the major divisions of the geological time scale and describe the key events in that characterize each subdivisions. Include examples of significant life forms, climate change, and /or geological events that mark transition between eras.</p>		
12	<p>A)</p> <p>Analyse and classify various planets based on their size and position .</p> <p>OR</p> <p>B)</p> <p>Examine the causes and effects of earthquakes in densely populated regions.</p>	AN	1, 1
13	<p>A)</p> <p>Evaluate why the law of Uniformitarianism and Law of super position plays a crucial role in geology</p> <p>OR</p> <p>B)</p> <p>Explain the difference between absolute and relative time in geology.</p>	EV	3, 3
14	<p>A)</p> <p>Draw a neat sketch of a volcano and label its parts. Define crater and caldera of a volcano.</p> <p>OR</p> <p>B)</p> <p>Create a diagram of the geological succession following basic principles of stratigraphy.</p>	CR	2, 2