

Reg. No.:



Name:

University of Kerala

U8762

Second Semester FYUGP Degree Examination, April 2025

Discipline Specific Core Course

GEOGRAPHY

UK2DSCGGY100 - Climatology and Oceanography

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	Name the instrument used to measure atmospheric pressure.	RE	2
2	Name the layer of the atmosphere where weather occurs.	RE	1
3	High-altitude, thin, and detached clouds with a feathery appearance	UN	3
4	The wind is called a 'Doctor Wind'.	UN	2
5	The term for the unusual cooling of the Peruvian coast of the Pacific Ocean?	UN	4
6	Write down the use of hygrometer.	UN	3

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	Differentiate between trade winds and westerlies.	UN	2
8	Define insolation.	UN	1
9	Explain the significance of humidity in the atmosphere.	AP	3
10	Write down the significance of tides.	AP	4

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) With a suitable diagram explain heat budget and write down its significance OR B) Derive the concept salinity and examine its horizontal distribution	AP	1, 4
12	A) Analyse the pattern of planetary wind system OR B) Analyse and illustrate the global pressure belts.	AN	2, 2
13	A) Assess the characteristics of tropical cyclone. OR B) Evaluate different forms of condensation and their impact on weather patterns and climate.	EV	3, 3
14	A) Illustrate the major features of ocean bottom topography.	CR	4, 4

Qn No.	Question	CL	CO
	OR B) Explain currents of Indian Ocean with a neat diagram.		