

Reg. No.:



Name:

University of Kerala

U8916

Second Semester FYUGP Degree Examination, April 2025

Discipline Specific Core Course

ENVIRONMENTAL SCIENCES

UK2DSCENS100 - Natural Resources and Conservation

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	Define water table	RE	5
2	What is the term for the process of restoring degraded or damaged ecosystems?	RE	3
3	Locate major ilmenite and monazite deposits in India.	UN	2
4	Define fossil fuels and give two examples	UN	1
5	Define agroforestry	UN	1
6	Define the sustainable use of natural resources	UN	4

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 are biofuels, and how do they help in reducing the dependency on fossil fuels?	UN	4
8	What are the key components of the hydrological cycle?	UN	2
9	Suggest two strategies for the sustainable management of forest resources.	AP	2
10	A community is planning to transition to renewable energy sources. What steps would you take to promote energy conservation?	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)	AP	4, 1

Qn No.	Question	CL	CO
	Explain the economic importance and exploitation of mineral resources OR B) List and explain the conservation measures for land degradation		
12	A) Examine how the overexploitation of groundwater can impact the environment OR B) Examine the impact of extensive mining on local communities and ecosystems. How does it contribute to environmental degradation?	AN	2, 2
13	A) Discuss the concept of mineral resource depletion. What are the consequences of depletion, and how can it be managed sustainably? OR B) Compare and contrast renewable and non-renewable energy sources in terms of their environmental impact, availability, and sustainability.	EV	3, 3
14	A) Develop an awareness campaign for rural communities on the importance of land conservation and prevention of wasteland formation. OR B) Develop a renewable energy plan for a rural community currently reliant on fossil fuels.	CR	1, 4