



UT607

Reg. No.:

Name:.....



University of Kerala
First Semester Degree Examination, November 2024
Four Year Under Graduate Programme
Multi Disciplinary Course

PHYSICS

UKIMDCPHY101 - ENVIRONMENTAL PHYSICS
Academic Level: 100-199

Time: 1½ Hours**Max. Marks: 42****Part A.**

Answer All Questions Objective Type. 1 Mark Each.
(Cognitive Level: Remember/Understand)
6 Marks. Time: 6 Minutes.

Qn. No.	Question	Cognitive Level	Course Outcome (CO)
1.	Define the term : hot spot of diversity	Remember	4
2.	Name the primary factor that determines variations in temperature, precipitation, surface winds, storminess etc.	Remember	2
3.	Explain non-point sources of pollution	Understand	3
4.	Describe climate	Understand	2
5.	Explain gene pool	Understand	4
6.	Discuss the types of radioactive waste.	Understand	1

Part B.

Answer All Questions Short Answer. 2 Marks Each.
(Cognitive Level: Understand/Apply)
8 Marks. Time: 24 Minutes.

Qn. No.	Question	Cognitive Level	Course Outcome (CO)
7.	Discuss air pollution in India with mention to case of TajMahal	Understand	1
8.	Explain the effect of global warming on phytoplankton.	Understand	2
9.	Discuss the causes of ground water pollution	Understand	3
10.	Discuss the effect of coexistence of man and wildlife in Kakkare Bellure of Karnataka	Understand	4

Part C.

Answer all 4 Questions, choosing among options within each question.

Long Answer. 7 marks each.

(Cognitive Level: Apply/Analyse/Evaluate/Create)

28 Marks. Time: 60 Minutes.

Qn. No.	Question	Cognitive Level	Course Outcome (CO)
11.	(A) Discuss the effects of population growth on food, water and pollution OR (B) (i) Explain environment (ii) Discuss the components of environment	Understand	1
12.	(A) (i) Explain greenhouse effect and its alteration by human activities. (ii) Discuss the environmental effects of climate change with respect to sea level OR (B) Describe atmosphere and its different layers.	Understand	2
13.	(A) (i) Explain when water is said to be polluted. (ii) Explain natural recharge and lowering of water table OR (B) (i) Describe noise. (ii) Discuss its effects on physical health and mental health	Understand	3
14.	(A) Explain the in-situ and ex-situ methods of conservation of biodiversity OR (B) (i) Describe biodiversity (ii) Discuss the types of biodiversity.	Understand	4