

Reg. No.:



Name:

University of Kerala

U9351

Second Semester FYUGP Degree Examination, April 2025

Multi-Disciplinary course

ZOOLOGY

UK2MDCZOO101 - Global Climate Change

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	Identify the layer of atmosphere which is known as the lower atmosphere Options : A)Troposphere B)Stratosphere C)Mesosphere D)Thermosphere	RE	1
2	Name the greenhouse gas primarily responsible for global warming? Options : A) Oxygen B)Carbon dioxide C)Nitrogen D)Hydrogen	RE	2
3	Earthworms are bio-indicators of Options : A)Atmosphere B)Soil C)Solar system D)Ocean	UN	1
4	cloud bursts leads to Options : A) Earthquakes B) Heavy snowfall C) Long droughts D)Flash floods and landslides	UN	3
5	Cite the main source of heat and light for the earth Options : A)Moon B)Venus C)Sun D)Satellite	UN	1
6	Ozone depletion is harmful to us because Options : A)It can increase global warming B)It allows UV radiations to reach earth C)It may allow entry of toxic gases from other planets D)None of the above	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	Describe the ecological significance of krill?	UN	1										
8	Match the following concepts <table><tr><th>A</th><th>B</th></tr><tr><td>a. Biosphere</td><td>i. Soil</td></tr><tr><td>b. Lithosphere</td><td>ii. Water</td></tr><tr><td>c. Hydrosphere</td><td>iii. Gases</td></tr><tr><td>d. Atmosphere</td><td>iv. Life</td></tr></table>	A	B	a. Biosphere	i. Soil	b. Lithosphere	ii. Water	c. Hydrosphere	iii. Gases	d. Atmosphere	iv. Life	UN	1
A	B												
a. Biosphere	i. Soil												
b. Lithosphere	ii. Water												
c. Hydrosphere	iii. Gases												
d. Atmosphere	iv. Life												
9	Interpret the purposes of conducting energy audit?	AP	3										
10	Explain La Nina	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) Explain the Anthropogenic Causes on Climate Change. OR B) Illustrate global warming and its impacts on biodiversity	AP	1, 2
12	A) Compare the Kyoto Protocol and the Paris Agreement in terms of their effectiveness in reducing global carbon emissions. OR B) Examine how the habitat loss of Asian elephants is linked to climate change	AN	4, 1
13	A) Examine how climate change affects various species, using the earthworm, the Ganges dolphin, sharks, penguins, and tigers as examples of indicator organisms. What does the behaviour or decline of these species tell us about the state of the environment? OR B) Evaluate the objectives and significance of BRICS for sustainable future	EV	1, 4
14	A) Create an awareness campaign aimed at addressing the consequences of sea-level rise on coastal communities. What would be the core messages and activities? OR B) Explain the climate change mitigation measures taken in India.	CR	3, 3