

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May-23

Course: Ecological Economics
Program: BA, Economics (Hons.)
Time: 03 Hours

Semester: IV
Course code: ECON2019
Max. Marks: 100

SECTION A

1. Each Question will carry 2 Marks

		CO
Q1	Write short notes on the following. a. Ecology b. Economics c. Sustainability d. Stocks and flows e. Recycling f. Amenity Services g. Option value h. Climate change i. Economic Growth j. Environmental Kuznets' Curve	CO1

SECTION B

1. Each question will carry 5 marks
2. Instruction: Write short / brief notes

Q2.	“Ecological Economics is the study of the relationship between human housekeeping and nature’s housekeeping”. Do you agree. Why/Why not?	CO2
Q3.	What do you mean by carrying capacity? How is it related to sustainability?	CO2
Q4.	Do you think that recent episodes of land sinking and land subsidence in Uttarakhand is a wakeup call for environmental conservation. Explain briefly.	CO2
Q5.	What are the major threats to sustainability?	CO2

SECTION-C

1. Each Question carries 10 Marks.
2. Instruction: Write long answer

Q 6.	Why are some countries rich and some poor? Do you think that natural capital plays a critical role in the development of an economy.	CO3
Q7.	What is IPAT identity? Do you think that there are limits to growth.	CO3
Q8.	What drives economic growth? Is growth solution to the environmental problems?	CO3

SECTION-D

1. Each Question carries 15 Marks.
2. Instruction: Write long answer

Q9.	a. Draw the graph of the following equation and explain the relationship between economic growth (y) and environmental quality (e). $e = \alpha y - \beta y^2$	CO4
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	<p>Where. e = per capita carbon emissions y = per capita income.</p> <p>b. What according to you can be a feasible modification to economic indicators like GDP/GSDP to accommodate environmental degradation?</p>	
Q10.	<p>a. What is sustainable development? Do you think that achieving sustainable development goals will be delayed considering the current global (geo-political) crisis.</p> <p>b. Does environment have a value? Explain the environment-economy relationship to describe the taxonomy of these values.</p>	CO4