

Name:
Enrolment No:



**UNIVERSITY OF PETROLEUM & ENERGY STUDIES
DEHRADUN**

End-Semester Examination 2021

Program/course : BA (Hons.) Economics Semester : IV
Subject : Ecological Economics Max. Marks : 100
Code : ECON 2019 Duration : 3 Hrs
No. of page/s : 2

SECTION A

1. Each Question will carry 5 Marks
2. Instruction: Write **T** for true and **F** for false

Q1	Ecological economics takes a different approach than its neoclassical counterpart. In ecological economics, efficient allocation is important but far from being an end in itself.	[5]	CO1
Q2	Ecological economics is a necessary evolution of conventional economic thought (neoclassical economics) that has dominated academia for over a century. Ecological economists do not call for an end to markets. Markets are necessary.	[5]	CO1
Q3	Ecological economics also considers efficient allocation important, but it is secondary to the issues of scale and distribution.	[5]	CO1
Q4	Ecological economists always ask if the extra growth is worth the extra sacrifice it entails. Neoclassical economists tend to forget this question or to believe that the answer is always affirmative.	[5]	CO1
Q5	By the First Law of Thermodynamics, the conservation of matter and energy, we know that throughput is subject to a balance equation: Input equals output plus accumulation.	[5]	CO1
Q6	The “ecological footprint” is the number of hectares of productive land or sea needed to support one average person at the world average consumption level.	[5]	CO1

SECTION B

1. Each question will carry 10 marks
2. Instruction: Answer all questions

Q7.	How many types of ecosystem services are there? Describe each type of ecosystem services and the benefits people obtain from ecosystems.	[10]	CO2
Q8.	Explain and illustrate the consequences of ecosystem change for human well-being.	[10]	CO2
Q9	Discuss with example the economics of carrying capacity	[10]	CO2

Q10.	Describe various environmental valuation methods.	[10]	CO3
Q11.	Consider two bus – one overloaded passengers, running with petrol and second with all sitting passenger running with electricity from solar energy. Prepare the drawing of both, compare and illustrate the thoughts of neo-classical and ecological economists considering environmental economics as a sub-set of neo-classical economists.	[10]	CO3
Section C			
1. Each Question carries 20 Marks.			
2. Instruction: Solve the problems			
Q12.	Outline and discuss the findings of Millennium Ecosystem Assessment.	[20]	CO4