

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, May 2021

Course: Economics of Bioenergy
Program: BA (EE)
Time: 03 Hours

Semester: IV
Course code: ECON2005
Max. Marks: 100

SECTION A

1. Each Question will carry 5 Marks
2. Instruction: Complete the statement / Select the correct answer(s)

		CO
Q1	Energy derived from biofuels is called as	CO1
Q2	Algae is an example ofGeneration of Biofuels	CO1
Q3	Miscanthus is an example of	CO1
Q4is the largest producer of Biofuels	CO2
Q5	Biodiesel isbiofuel	CO3
Q6is called as biopower.	CO4

SECTION B

1. Each question will carry 10 marks
2. Instruction: Write short / brief notes

Q1.	Elaborate the role and advantages of bioenergy.	CO1
Q2.	Differentiate the following: (a) First generation biomass and second generation biomass (b) Fossil fuels and Biofuels (c) Energy security and Energy sustainability (d) Fossil fuel energy and biomass energy (e) Biogas and Biodiesel	CO3
Q3.	How great is the potential to reduce greenhouse gas emissions by using more bioenergy and through carbon sinks in biomass?	CO3
Q4.	Do you think that energy from biomass is a sustainable solution towards green economy? Why/Why not?	CO4
Q5.	Biofuels are said to be environmentally feasible and economically viable. Do you agree? Why/Why not?	CO4

SECTION-C

1. Each Question carries 20 Marks.
2. Instruction: Write long answer

Q 1.	Read the following passage and answer the questions given at the end : <i>“The Policy aims to increase usage of biofuels in the energy and transportation sectors of the country during the coming decade. The Policy aims to utilize, develop and promote domestic feedstock and its utilization for production of biofuels thereby increasingly substitute fossil fuels while contributing to National Energy Security, Climate Change mitigation, apart from creating new employment opportunities in a sustainable way. Simultaneously, the policy will also encourage the application of advance technologies for generation of biofuels.” (Biofuel Policy-2018, GoI)</i>	CO2
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| | <ol style="list-style-type: none">i. Discuss the vision and goal of the Biofuel Policy-2018?ii. What are the main challenges and opportunities of bioenergy production in India according to the Biofuel policy-2018? | |
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