

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course: Bio Technology
Program: BSc LLB
Course Code: CLNL2022

Semester: IIIrd
Time 03 hrs.
Max. Marks: 100

Instructions:

SECTION A

S. No.		Marks	CO
Q 1			
a.	What do you mean by Green Biotechnology	2	CO2
b.	What are the cons related to Cloning	2	CO2
c.	Which of the following invention(s) cannot be patented in India - Identification of nature of medical illness using tests - Method of cleaning plaque from teeth	2	CO2
d.	What do you mean by Mailbox patents	2	CO4
e.	What do you mean by recombinant DNA technology	2	CO1

SECTION B

Q2			
a.	Define Biotechnology. Write about different branches of biotechnology	4	CO1
b.	Write a short note on Human Genome project and its significance	4	CO2
c.	Write a short note on Tortuous Liability	4	CO3
d.	Give life span of patent, copyrights and industrial designs.	4	CO2
e.	Give the fill form of USFDA, PCT, WIPO, TRIPS, WTO	4	CO4

SECTION-C

Q3			
a.	i. Write about ethics regarding Clinical Trials in India	10	CO2
b.	i. How do you think cryogenics can change the definition of death. ii. Write about few examples biotechnological inventions	10	CO1/ CO3

SECTION-D

Q4 a.	<p>“Burgeoning concerns of the impacts of GE crops on the environment and food safety has made regulators to scrutinize the role of agricultural biotechnology”. Write about the opportunities and challenges of biotechnology in the field of agriculture. (15)</p> <p>ii. Write about politics in Biotechnology. (10)</p>	15+10	CO2/ CO5
Q4 b.	<p>i. Intellectual Property Rights are important to enhance innovation, research and economy for a country. Comment on this statement by giving suitable examples of different intellectual property rights. (15)</p> <p>ii. The application of patent law to biotechnological inventions has to deal with a number of particularities that may not exist in the same way in other areas of technology. (10)</p>	15+10	CO3/ CO4