


Name:			
Enrolment No:			
<b>UPES</b> <b>End Semester Examination, May 2024</b>			
<b>Course: Citizenship science &amp; ESG</b> <b>Program: BTech (Sustainability)</b> <b>Course Code: SUEN2007</b>		<b>Semester: IV</b> <b>Time : 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions:</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Explain concept of citizenship science with examples.	4	CO2
Q 2	What are the impacts of Citizenship science.	4	CO1
Q 3	What Citizen Scientists Should Learn from the Successes of Other.	4	CO1
Q 4	Give details of Global warming indicators.	4	CO2
Q5	What is ESG. Explain what the criteria of ESG are?	4	CO1
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	Explain the importance of rules on corruption, bribery, conflicts of interest, and political donations and lobbying in ESG.	10	CO2
Q 7	Evaluate the importance of Clean development mechanism (CDM) in ESG.	10	CO3
Q 8	Analyze importance of Executive compensation policies in ESG.	10	CO3
Q 9	Analyze Sustainable development principles of Stockholm conference.  or Evaluate success & failure of Kyoto protocol.	10	CO3

**SECTION-C**  
**(2Qx20M=40 Marks)**

Q10	Analyse case of petroleum industry of Serbia & discuss the emergence of Citizen Data Scientists (CDS) in the O&G industry and introduction of the Citizen Data Scientist Toolbox (CDST) developed for Petro - physicists.	<b>20</b>	<b>CO4</b>
Q 11	Analyse participatory Mapping of Gas Flaring Sites in the Ecuadorian Amazon Region (EAR)  How the examination of the 2010 Deepwater Horizon oil spill presented an opportunity to explore the utilization of crowdsourcing as a novel avenue of citizen science.  Or  Identify the Environmental aspects/impact for developing EMS in an Industry. How citizen science can be helpful in developing EMS.	<b>20</b>	<b>CO4</b>