


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
<b>Course: Sustainable Development &amp; economy</b> <b>Program: M.Tech (Health Safety and Environment)</b> <b>Specialization in Sustainable Development</b> <b>Course Code: HSFS8026</b>		<b>Semester: III</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	Define Sustainable Development.	4	CO1
Q 2	Describe Sustainable Economic Growth briefly.	4	CO1
Q 3	Recall the concept of Circular Bioeconomy.	4	CO1
Q 4	Explain Regenerative Economy	4	CO2
Q 5	Discuss sustainable livelihoods and adaptation to climate Change	4	CO2
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	Write the most important components of a circular economy and give an example of circularity in action.	10	CO3
Q 7	Explain the various challenges to economic growth in contemporary society.	10	CO2
Q 8	Analyze the nexus between occupational safety and security and sustainability.	10	CO4
Q 9	List different business strategies for Sustainable Development?	10	CO1
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q 10	Consider you are a Safety Engineer working in an industry, you are given a target to implement SDG Targets related to Health and Safety at the Workplace. Prepare a plan and present elaborately.	20	CO3
Q 11	Waste biorefinery plays an important role in achieving UN-SDG goals and circular economy. Justify the statements with suitable examples.	20	CO4
OR			

	Analyze the civil society initiatives in your region that aimed at achieving a sustainable development scenario.		
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