


Name:			
Enrolment No:			
UPES End Semester Examination, May 2024			
Course: Energy System Safety and Application Program: M. Tech Renewable Energy Course Code: EPEC7076		Semester: II Time: 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Give four ways by which poisons may enter the body?	4	CO1
Q2	The term LD 50 is often recorded in data dealing with toxic chemicals. What does it signify?	4	CO1
Q3	List the parameters affecting the dispersion model.	4	CO2
Q4	Classify different types of air pollutants.	4	CO2
Q5	List the health effects of particulate matter.	4	CO3
SECTION B (4Qx10M= 40 Marks)			
Q 6	What is the significance of limiting oxygen concentration and how it will be useful in determining inert gas requirements?	10	CO4
Q 7	Explain in detail about vapor cloud explosions?	10	CO3
Q8	Explain with the help of suitable diagram the gravity settling chamber.	10	CO3
Q 9	Analyze the reason to measure noise in the workplace?	10	CO5
SECTION-C (2Qx20M=40 Marks)			
Q 10	Explain with a case study on disaster management happened at any one industry.	20	CO4
Q11	Describe the ways by which you can protect the environment from toxic components of renewable industry.	20	CO4