


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2022			
Course: Chemical Process and Plant Safety Program: B. Tech CE+RP Course Code: CHCE 3015P		Semester: VII Time : 3 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q1	Give examples of confined spaces in chemical process industries.	4	CO1
Q2	Write the purpose of Material safety data sheet.	4	CO2
Q3	Which act is framed for employee's safety in an industry. Briefly describe it.	4	CO2
Q4	List the factors affecting dispersion model.	4	CO3
Q5	Chernobyl disaster is related to which industry.	4	CO4
SECTION B (4Qx10M= 40 Marks)			
Q 6	Explain the need for personnel protective equipment in combating hazards	10	CO4
Q7	Describe ergonomics hazards and list out the duties of an attendant.	10	CO2
Q8	Explain fire tetrahedral and flammability diagram.	10	CO3
Q9	Describe the HAZOP procedure and list the guide words	10	CO3
SECTION-C (2Qx20M=40 Marks)			
Q 10	Explain the major pollutants emitted from a textile industry.	20	CO4
Q11	Explain in detail Bhopal gas tragedy.	20	CO2