Name:

Enrolment No:



UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination (Online Mode)

End Semester Examination (Omme M

Course: Safety, health and environment in petroleum industry

Program: B. Tech APE GAS

Course Code: ENVO 405

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

Instructions:

mstruc	SECTION A		
	uestion will carry 5 Marks	1	
S. No.		Marks	CO
Q 1	Fire and explosion accidents can be prevented using the knowledge	5	CO5
Q2	 What is the importance of occupational health? a) It concentrates relationship between work and individual health and prevent from ill health. b) It provides the legal obligation c) Occupational health is important to understand the hygiene requirement d) It is important to maintain good relationship between employee and employer 	5	CO5
Q3	 What hazard do safety googles protect against? a) Heat b) Dust c) Strong light 	5	CO1
Q4	 What is impossible for gloves to protect against? a) Hazardous substances b) Cold or heat c) Rotating parts 	5	CO2
Q5	Hazardous substances are classified by category. What are some of these categories?	5	CO3
Q6	What is a) A hazard b) A risk	5	CO4
-	SECTION B uestion will carry 10 marks		
Q 7	What are the impacts of drilling mud discharge in ocean environment?	10	CO1
Q8	What are the outcomes of Hazard identification and Operability (HAZOP) analysis?	10	CO2
Q9	Explain the Fire and Explosion characteristics of a material.	10	CO3

Q10	Explain Primary and Secondary Ke	y words of HAZOP with examples	10	CO4
Q11	What are the stability classifications of atmosphere in dispersion modeling?		10	CO5
Each Q	uestion carries 20 Marks.	SECTION-C		1
Q 12	offshore industry? Explain with the consequences.	htal Management is important in Petroleum and e help of an industry disaster with its causes and Or bility diagram. Draw a flammability diagram for LFL: 5.3% fuel in air UFL: 15% fuel in air LFL: 5.1% fuel in oxygen UFL: 61% fuel in oxygen 12% oxygen	20	CO5