


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2022			
Course: Health, Safety, Security and Environmental Implications in Oil and Gas Industry Program: B.Tech(CSE-OGI) Course Code: HSFS 3023		Semester: VI Time : 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q1	Explain the potential health hazards in Oil and Gas industry	4	CO1
Q2	Explain Struck by/caught in/ caught between.	4	CO1
Q3	Analyze carcinogen impact on human body.	4	CO3
Q4	Critically examine impact of corrosion in petroleum industry	4	CO1
Q5	Explain Confined spaces hazards.	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q1	Explain a health hazard and analyze the hazard index.	10	CO4
Q2	Analyze the following in context to oil and gas industry: a. Psychological Hazards b. Ergonomic and biological hazard c. Chemical Hazard d. Physical Hazard	10	CO2
Q3.	Explain oil spill contingency planning and how that is done.	10	CO3
Q4.	Explain hazard assessment and how PPE is selected according to that. OR Analyze the planning in health safety engineering.	10	CO2
SECTION-C (2Qx20M=40 Marks)			
Q1	Analyze Health risk assessment.	20	CO5
Q2	Analyze the fire contingency plan for Oil and gas industry. OR Critically justify the process of environmental impact assessment.	20	CO4