


Name: Enrolment No:		
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online End Semester Examination, May 2021		
Course Name: Health, Safety, Security and Environmental Implications in Oil and Gas Industry Programme: B Tech- CSE (OG) Course Code: CSOG 4002		
Semester: VIII Time: 03 Hours Max. Marks: 100		
SECTION A (30 Marks)		
1. Each Question will carry 5 Marks 2. Write only the short answers.		
Sr. No.	Question	CO
Q 1	Explain the term “Crude Oil” with examples.	CO1
Q 2	Write environmental component of EIA.	CO1
Q 3	Suggest a few techniques useful for oil spill control.	CO2
Q 4	Comment on the aquatic impacts due to oil exploration.	CO2
Q 5	List out chemical hazards available at workplace.	CO1
Q 6	Brief of carcinogens and list a few most important carcinogens available in oil & gas sectors.	CO2
SECTION B (50 Marks)		
Each question will carry 10 marks		
Q 7	Defend the need of OH&S legislation or requirements in oil & gas industry.	CO4
Q 8	Briefly explained the Piper Alpha disaster happened during 6 th July 1988. Highlight how similar kind of accidents/ disaster can be avoided.	CO3
Q 9	Differentiate Hazard & Risk. Appraise, how risk assessment is an important tool in minimizing accidents.	CO4
Q 10	Discuss various physical hazard along with their control measures at workplace.	CO3
Q 11	Explain ionizing and non-ionizing radiation in detail. Also discuss the various means and methods to control the radiation effect.	CO2
SECTION C (20 Marks)		
1. Each Question carries 20 Marks. 2. Instruction: Write long answer.		
Q 12	(a) Develop an onsite- emergency management plan for a oil storage facilities. Also highlight the role of emergency teams. OR (b) Create a detailed inspection checklist towards assuring/verification of off-site emergency preparedness plan for a facility based on the standard requirements.	CO5