Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2021

Course: Principles of Safety Management Programme: B.Tech FSE Time: 03 hrs. Semester: VII Course Code: HSFS 4012P Max. Marks: 100

Instructions: Read the questions properly and give the most relevant answer

SECTION A

	(SCAN AND UPLOAD)					
S. No.		Marks	CO			
Q01	Distinguish Unsafe condition and Unsafe act with examples	4	CO4			
Q02	Explain accident and Incident with example	4	CO1			
Q03	List out the possible unsafe conditions to be monitored before entering into the confined space.	4	CO1			
Q04	Review Hot work and Cold work with example	4	CO2			
Q05	Write the importance of education in accident prevention.	4	CO3			
	SECTION B					
	(SCAN AND UPLOAD)					
Q01	Explain the responsibilities of safety officer.	10	CO2			
Q02	Write about 5S management system in detail.	10	CO3			
Q03	Prepare a Work at height permit document for fragile roof considering various hazards and control measures	10	CO3			
Q04	Describe the following -Safety audit - Safety Survey - Safety Sampling - Safety inspection (OR)	10	C01			
	Outline any 4 accident causation theory in detail					
PART C (SCAN AND UPLOAD)						
Q01	a. As a student you are coming to college daily by motorcycle. Lot of incidents are recorded daily during the journey class room. As a safety engineering student you have to develop a safe operating procedure for the routine activity. Explain the concept of Job safety analysis, its importance and procedure. Conduct a JSA for the activity of student travelling from home in Dehradun to Exam hall.	20	CO4			
	(OR)					
	 b. You are joining a new organization and it's your responsibility to lead the safety department of your industry. Your factory manager is asking you to convince the management on safety policy. As a safety officer how will you convince your management? 	10+10				
	c. Develop a safety policy for your company.					

Q02	a. Lot of accidents are happening in your industry and it's your responsibility to control them, so you are looking into the accident records. As a safety officer explain the importance of accident investigation with supporting statements and procedures. Investigate the accident that you have known or seen and present your findings in appropriate format.	20	CO2	
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