Name:					
Enrolment No:		VPLJ			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2021 Course: M.Tech PETROLEUM ENGIEERING Semester: III COURSE CODE: MEEG 844 Programme: HSE CHALLENGES IN PETROLEUM OPERATIONS Time: 03 hrs. Max. Marks:					
100				IAINS.	
Instru	ictions: Read the question pro	operly and give the most relevant SECTION A	answer		
S.					
No.			Marks	CO	
Q01	Define an incident. What are d industry?	irect costs of an accident to	4	CO1	
Q02	Identify various types of hel	met used in industrial activities.	4	CO2	
Q03	Share your knowledge or applicable in oil & gas indus	n various work permit systems stries.	4	CO2	
Q04	What are the limitations of r make safety issues effect	egulatory agencies? How can you tive in your mill?	4	CO2	
Q05	Briefly describe Petroleum Act	1934.	4	CO1	
	SECTION B -AT	TEMPT ANY FOUR QUESTIONS	I		
Q06	memory due to biological ha	people will try to erase from their azard (COVID-19). Demonstrate al hazard and its control options.	10	CO2	
Q07	Working in industries is not	t an easy job; workers are exposed escribe in detail various physical & re common methods of	10	CO5	
Q08	and he is expose to coal dus The average exposure durin mg.m-3. Remaining time he was wor	rker works for 4 hours 25 minutes st, which is hazardous to health. g that period is measure as 6.40 king on cleaning activities of his e during that period is measure as A for 8 hrs. Exposure.	10	CO4	
Q.09		nerated from industries is a big nods for treatment of wastewater plants?	10	CO4	
Q.10		Prestart safety review? Explain its	10	CO3	

	SECTION-C				
Q11	Discuss in detail management of solid waste and method applied for the management of oily sludge.	20	CO4		
Q.12	List out major toxic gases released from refinery operations. Analyze their property, health effects and recommend treatment/control measures in detail.	20	CO4		