Enrollment No:	
Enrollment No.	

PARUL UNIVERSITY FACULTY OF ENGINEERING & TECHNOLOGY

B.Tech Mid Semester Exam

Semester: 8th

Subject Code: (203120485) Subject Name: (HSEPI)

Date: (30/01/2024) Time: (1hr: 30min) Total Marks: 40

		Marks
Sr. No.		05
Q.1	(A) Five One line Questions	
Q.1	A senfined space is one that?	
	15) In not designed for continuous occupation	
	a) Has limited natural ventuation	
	d) All of the above	
	d) All of the above 2. Confined spaces are common in oil and gas industry, particularly in processing	
	of the many tenks process and reaction vessers,	
	b) Roilers Ventilation and Exhaust Business	
	c) Tunnels and pits and Piperines	
	d) All of the above 3. Which of the following is FALSE about a typical deepwater oil spill?	
	3. Which of the following is FALSE about a typical dor	
	3. Which of the following is FALSE about a type and a Using boom boats to prevent the spilled oil from spreading a) Using boom boats to prevent the shore before clearing	1
	b) Allowing the spill to leach the short	
	a) Durning of Spilled Uli	ľ
	d) Using a Skimmer to collect on	
	4. Select ALL the safety system(s) that is/are required in an offshore platform	
	4. Select ALL the safety system(s) that I	1
1	a) Permit to Work	
V	b) Fire and Gas Alarms	
	c) Lock out-tag out	
	d) Financial Monitoring System	-
	5. A mixture of a flammable gas and air can ignite only if	
	5. A mixture of a flammable gas and all call ignice only and the gas concentration is below the limiting oxygen concentration. a) The gas concentration is above the upper flammable limit	
	a) The gas concentration is above the upper flammable limit b) The gas concentration is above the upper and lower flammable limits	
	b) The gas concentration is above the upper trainmable limits c) The gas concentration is between the upper and lower flammable limits	
	c) The gas concentration is between the upper that to d) The gas concentration is below the lower flammable limit	05
	(B) Five Fill in the blanks 1. Oil slick can be broken by surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface turbulence from wind and wave action into a surface from wind and wave action wind a surface from wind and wave action wind a surface from wi	a
	1. Oil slick can be broken by surface turbuler	
	floating Water III on charles and the state of the state	
	2. Oil slick can be broken by surface turbulence from wind and wave action into	a
	2. Oil slick can be broken by surface targets. floating water in oil emulsion called	
	floating water in oil chiaision	

	3. Which catalyst is used to break the hydrocarbon bonds and accelerate?	
	a. Polyurethane	
	b. Titanium Oxide	
	c. Polypropylene	
	d. Titanium Dioxide	
	4. Booms and skimmers are most effective when waves, winds and currents are	
	5. Gelling agent also known as	12
Q.2	Attempt any four (Short Questions)	
	(1) Explain chemical dispersants method, also advantage and disadvantage	
	(2) what are the cause of oil spill and also explain the effect oils spill in environment	
	(3) Explain Volatilization	
	(4) What do understand by solidification?	
	(5) Explain Gravity separation and Hydro-cyclones	100
0.3	Attempt any two questions	08
Q.3	(1) what are the methods used in oil spill	
	(2) What are the methods used for removal of dissolved HC	
	(3) Explain how you are going to remove solid from HC	
		05
Q.4	(A) Explain RCRA (B) what are criteria to determine whether a waste is hazardous or not?	
	(B) what are criteria to determine whether a waste to hazara	
	OR	05
	(B) Why do we need fire and gas detection system, Explain	05