Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2022

Programme Name: M.Tech-HSE Semester : I

Course Name : Behavior based Safety Time : 03 hrs Course Code : HSFS 7004 Max. Marks: 100

Nos. of page(s) : 2

Instructions: Read the question properly and give the most relevant answer.

SECTION A (5Qx4M=20Marks)

	(5Qx4M=20Marks)		
S. No.		Ma rks	со
Q 1	One of the safety engineers who reduced the risk to "0" and made the workplace 100 % safe is awarded the best safety profession. Comment on the above statement with the proper justification.	4	CO1
Q 2	Explain the terms safety survey and safety inspection.	4	CO1
Q 3	Differentiate behavior and attitude.	4	CO3
Q 4	Discuss the terms active and reactive monitoring.	4	CO3
Q 5	List the OHS policy requirements as per ISO 45001	4	CO2
	SECTION B		
	(4Qx10M=40 Marks)		
Q 6	Explain PDCA cycle in detail.	10	CO2
Q 7	Explain the importance of accident investigation and its necessity in detail	10	CO3
Q 8	Perform a HIRA for the class room you have studied and provide a proper control measure	10	CO3
Q9	Explain any 2-accident causation theory in detail. (OR) You are a accident investigation expert and appointed to investigate an accident. How will you investigate an accident using 5W1H technique explain with a case study of your choice.	10	CO1
	SECTION-C (2Qx20M=40 Marks)		
Q 10	You are planning to use ABC model in your organization prepare a report explaining the concepts of ABC model with example to be submitted to your higher management.	20	CO4

4				
•	3520	500		
8	3500	80		
10	3500	600	20	CO2
17	3530	600		
	10 17 quency, severit	10 3500 17 3530 quency, severity and incidence rate	10 3500 600	10 3500 600 17 3530 600 quency, severity and incidence rate for these years.