

Reg. No.					

VII Semester B.Tech. End-Semester Examination (POE), March 2022 CHE 4304: Introduction to Petroleum Engineering (Open Elective-IV) MAKE UP EXAM (POE) – MAR 2022

PART B

Date: 01/	3/2022 Time: 75 + 10 minutes	Max. marks: 20		
	Note: Answer ALL questions			
Q.1A)	Describe the gravity and magnetic surveying methods for the exploration.	he crude oil	(3)	
Q.1B)	What are the different types of hydrocarbons present in crude their compositions? Describe them in details with examples.	oil based on	(4)	
Q.1C)	Discuss the effect of depletion (solution gas) drive mechan reservoir pressure, gas-oil-ratio, water production rate and oil re-		(3)	
Q.2A)	What is surfactant flooding EOR method? How does the surfactant help in displacing the trapped oil from the reservoir?		(3)	
Q.2B)	Derive the recovery factor expression for an <i>oil reservoir</i> using method	g volumetric	(3)	
Q.2C)	Describe the delayed coking process with a neat sketch of the diagram.	process flow	(4)	