


Name:			
Enrolment No:			
UPES End Semester Examination, December 2023			
Course: Subsea Production System Program: APE UP Course Code: PEAU 4020P		Semester: VII Time : 03 hrs. Max. Marks: 100	
Instructions: All questions are compulsory. There is no overall choice. Draw the diagram wherever required.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
1	Describe the well layout of an offshore field.	4	CO1
2	Define cluster well system.	4	CO1
3	Enumerate the various offshore storage units.	4	CO2
4	List the different production risers.	4	CO3
5	Discuss the key characteristics of Bombay Offshore field.	4	CO3
SECTION B (4Qx10M= 40 Marks)			
6	Discuss the different components of subsea tree.	10	CO2
7	Discuss the different components of dynamic positioning system and their functions.	10	CO3
8	Discuss the key elements to be considered while Subsea System Configuration	10	CO2
9	Describe the different floating production unit.	10	CO1
SECTION-C (2Qx20M=40 Marks)			
10	Discuss the elements to be considered while designing an offshore pipeline system.	20	CO3
11	Discuss the different types of subsea completion based on the stage of the offshore field development. OR Diagrammatically explain the Subsurface completion equipment	20	CO4