Name:

Enrolment No:



End Semester Examination, May 2023

Course: BASIN ANALYSIS Program: M.Sc. Petroleum Geoscience Course Code: PEGS 7033 Semester: II Time: 03 hrs. Max. Marks: 100

Instructions: Draw correct diagram whenever requires

SECTION A (5X4=20Marks)			
S. No.		Marks	со
Q 1	Discuss about Divergent Margin Basins, and Convergent Margin Basins.	4M	CO1
Q 2	Write about Cratonic Basins.	4M	CO2
Q 3	Explain Stratigraphic Basin Modeling.	4M	СОЗ
Q 4	Define Forward and Reverse Modeling with diagram.	4M	СОЗ
Q 5	Mention the significance of sequence stratigraphy studies.	4M	CO2
	SECTION B (4Qx10M= 40 Marks)	1	
Q 6	Discuss about Cambay Basin, in terms of (i) Petroleum System, (ii) tectonic history of the basin	5M + 5M	co2
Q 7	Elaborate (a) aggradation, (b) progradation, (c) retrogradation.	10M	СОЗ
Q 8	Explain the concept of Facies Analysis and Sedimentary Process Response Deltaic Environmental Interpretation.	10M	CO4
Q 9	Discuss the Concept of (a) Subsurface Mapping, (b) Cross Section. OR Discuss about Structural Maps and cross sections.	10M	CO4
	SECTION-C		
	(2Qx20M=40 Marks)		
Q 10	(a) Analyze the Concept of Basin modeling.(b) Structural modeling, introduction of lithostratigraphic modeling	10x2 =20 M	CO5

