

Name:

Enrolment No:



UPES

End Semester Examination, December 2023

Course: Structural Geology
Program: MSc Petroleum Geosciences
Course Code: PEGS7031

Semester: I
Time : 03 hrs.
Max. Marks: 100

Instructions: Attempt all the Questions. There is a choice in question no 11

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Illustrate Joints and faults	4	CO1
Q 2	Define the process of seafloor spreading	4	CO2
Q 3	Illustrate topographic expression of folded structures	4	CO1
Q 4	Define interlimb angle with a suitable diagram	4	CO2
Q 5	Illustrate retro-arc basin	4	CO1

SECTION B
(4Qx10M= 40 Marks)

Q 6	Give the Ramsay classification based on the concept of three-fold	10	CO2
Q 7	Distinguish between structural and stratigraphic traps	10	CO3
Q 8	Discuss the various plate margin and associated basins	10	CO3
Q 9	Discuss mode of formation of Duplex structure	10	CO2

SECTION-C
(2Qx20M=40 Marks)

Q 10	Describe the theory of plate tectonics and its geological significance with a suitable diagram	20	CO4
Q11	Explain the mechanism of sedimentary basins evolution	20	CO4
	OR		
	Describe geometrical and Genetic classification of Folds.		