

MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO

FINAL SEMESTER EXAMINATION 2022 OF THIRD SEMESTER SECOND YEAR (20-BATCH) OF B.E (PETROLEUM & NATURAL GAS ENGINEERING)

FLUID MECHANICS (CE-263)

Dated: 27/05/2022		Time: 02 HOURS (2 C.H)	Max. Marks-30		
Note:	ATTEMPT ANY T	WO QUESTIONS.			
			CLO	Taxonomy Level	Marks
Q.No.01 <u>a)</u>	In the light of Newton's Law of viscosity, Analyze the relationship between the rate of shear stress and the rate of shear strain. Support your discussion with the help of graphs.		1	C4	5
b)	The intensity of pressure at a point in a FLUID AT REST is the same in all the directions, says the Pascal Law. Analyze the pressure intensity for rigid bodies in the light of Pascal's law.		1	C4	5
Q.No.02 a)	Demonstrate the cons fluid by deriving Berne	ervation of energy law for a flowing oulli's Equation.	2	C3	5
b)	Demonstrate the work factor which the performance of the performance o	ring principle of compressors and the	2	C2	5
Q.No.03 a)	with a fluid is equal to	linear momentum of a volume moving the surface forces and the body forces ustrate this concept by deriving the	2	C3	7
b)	Demonstrate different	parts of venture meter.	2	C2	3

Name of Subject Teacher: Engr. Mukhtiar Ali Talpur	
The End	• • •