

MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO

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

FLUID MECHANICS (CE-263)

Dated: 7	/03/2022	Time: 45 MINTS (2 C.H)		Max. M	Marks-10
Note:	ATTEMPT ANY T	WO QUESTIONS.			
			CLO	Taxonomy	Marks
				Level	
Q.No.01 a)	continuity equation in based on the cubical	$w + \frac{\partial \rho w}{\partial x} \delta z \bigg) \delta x \delta y$ $\delta z \bigg(\rho u + \frac{\partial \rho u}{\partial x} \delta x \bigg) \delta y \delta z$	1	C3	3
b)	<u>-</u>	relative density of 0.8 and a kinematic	1	C3	2
	dynamic viscosity in P	stokes. Calculate its unit weight and a.s.			
Q.No.02 a)	Discuss the Fluid R diagram.	heology models with the help of a	1	C2	3
b)	$U = 2/3 y - y^2$. Who boundary in meters, U	tion of a plate is given by the ere y is the distance from the solid is the velocity in m/s. Determine shear $y = 0.15m$. $\mu = 8.63$ poise	1	C2	2

Name of Subject Teacher: Engr. Mukhtiar Ali Talpur

The End
