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R09220103 HYDRAULICS AND HYDRUALIC MACHINES HYDRAULICS AND HYDRUALIC MACHINES (CIVIL ENGINEERING) Time: 3hours Max. Marks: 75 Answer Any FIVE Questions All Questions Carry Equal Marks - - - 1.a) Differentiate Between: I) Uniform And Non Uniform Flow. Ii) Steady And Unsteady Flow. Iii) Laminar And Turbulent Flow. Iv) Sub Critical And Super Critical Flow In A Open Channel. B) A Rough Timber Flume ($n = 0.012$) In The Form Of An Equilateral ... Mar 16th, 2020 Exact Solutions To The Navier-Stokes Equation Exact Solutions To The Navier-Stokes Equation Unsteady Parallel Flows (Plate Suddenly Set In Motion) Consider That Special Case Of A Viscous Fluid Near A Wall That Is Set Suddenly In Motion As Shown In Figure 1. The Unsteady Navier-Stokes Reduces To $2.2 Y U T U ? ? = ? ? ?$ (1) Uo Viscous Fluid Y X Figure 1. Schematics Of Flow Near A Wall Suddenly Set In Motion. The Boundary Conditions ... Oct 4th, 2020 Fluid Transients In Systems. By E. B. WYLIE And V. L. ... Fluid Transients In Systems. By E. B. WYLIE And V. L. STREETER. Prentice Hall, Water

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