UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Internal Assessment
4th Semester-– 2022(Summer), Civil engg

TH 2: Hydraulics and Irrigation engg

Full Mark: 20   Time: 1 hour

1.   Answer any FIVE   (2×5=10)
   a. Define pressure intensity ?

   b. State relationship between atmospheric presure , gauge pressure and absolute pressure .

   c. Define rain fall intensity ?

   d. Draw hydrological cycle diagram ?

   e. Define absolute and gauge pressure ?

   f. Define unit hydrograph ?

   g. Define crop period and base period ?

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2.   Answer any TWO   (5×2=10)
   a. Explain rain gauge and its types with neat sketch ?

   b. A pipe contains an oil of sp.gr 0.9 . A differential manometer connected at the two points A
       & B shows a difference in mercury level as 15cm . Find the difference of pressure at the
       two points ?

   c. Describedraw different types of manometers with suitable diagram ?

   d. Draw the neat sketch of partial cuting and partial banking of river bank ?

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