(b) What are the ways of calculating friction factor in pipe flow for different flow range. [10]

COL, POL

Kyl

(c) A piping system involves two pipes of different diameters (but of identical length, [10]

material and roundwest connected in wrices and nurallel. How would your commare the

COL, POL

Water is flowing steadily in a 0.4-m-wide rectangular open channel at a rate of 0.2 m³/s. [10] If the flow depth is 0.15 m, determine the flow velocity and if the flow is subcritical or CO4, PO2 supercritical. Also determine the alternate flow denth if the character of flow were to K3.Pl

(a) flow rates and (b) pressure drops in these two pipes?

CO1, PO1

of Pitot static tube.

Q6.