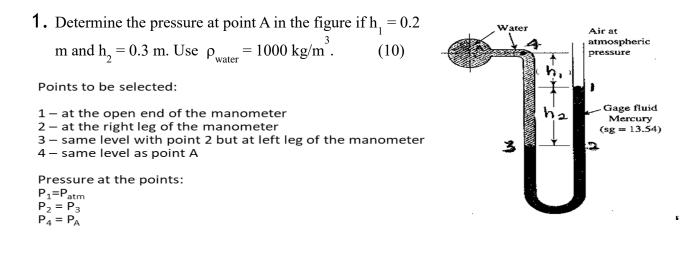
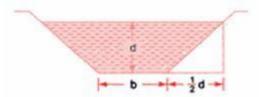
(Maximum Marks: 50) Summer semester,2020

## Final Term (B. Tech Civil Technology)

Fluid Mechanics



- 2. Define differential Manometer and What height would a barometer need to be to measure atmospheric pressure? (15)
- **3.** A Trapezoidal channel has side slopes of 1 horizontal to 2 vertical and the slope of the bed is 1 in 1500. The area of the section is 40m2. Find the dimension of the section if it is most economical. Determine the discharge of the most economical section if C=50. (15)



**4.** What is Hydraulic Jump? Discuss typical cases for location of hydraulic jump. (10)