

CH0210 Momentum Transfer Laboratory
End Semester Viva Voce

Register No. _____
Batch. _____
Max. Marks: 10

Date : ___/___/___
Time : ___:___

Instructions :

- a) Encircle the correct answer
- b) Do not encircle more than one answer

1. Which one of the following is **TRUE**? Impeller of a centrifugal pump consists of
(a) **curved vanes** (b) volute (c) casing (d) only (c)

2. Identify, which one of the following sentence is **FALSE**? In orifice meter
(b) the area of constriction or the orifice is constant
(c) pressure drop is dependent of flow rate
(d) **pressure drop is independent of flow rate**
(e) all of the above

3. Which one of the following sentence is **TRUE**? The notch or weir, in which the fluid flows over the weir so that its kinetic energy is measured by determining
(a) **the head of fluid flowing above the weir**
(b) the pressure of fluid flowing above the weir
(c) both (a) and (b)
(d) all of the above

4. Identify, which of the following is **CORRECT**? For sudden contraction, flow separation in the down stream pipe causes the main stream to contract through a minimum diameter, d_{\min} called
(a) **vena contracta**
(b) notch or weir
(c) orifice
(d) none of these

5. Identify, which of the following is **FALSE**? For any pipe system in addition to friction loss computed for length of the pipe, there are additional so called minor or local losses due to
(a) pipe entrance or exit
(b) sudden expansion and contraction
(c) bends, elbows, tees and other fittings
(d) **only (a) and (c)**