

B.Tech 3rd Semester, Weekly Test- 2, 2018

Fluid mechanics

Subject Code: 01 1X07

Full Marks: 10

1. A cylindrical tank of 2 m diameter is laid with its horizontal and is filled with water just to its top. The force of on one of its end plate in kN, is
 - a. 123.0
 - b. 61.51
 - c. 30.76
 - d. 19.58

2. For a fluid in motion, pressure at a point is same in all direction, then the fluid is
 - a. A real fluid
 - b. A Newtonian fluid
 - c. An ideal fluid
 - d. A non-Newtonian fluid

3. A barometer is used to measure
 - a. Absolute pressure
 - b. Gauge pressure
 - c. Local atmospheric pressure
 - d. all of the above

4. The depth of oil (specific gravity 0.9) to produce a pressure of 3.6 kg/cm will be
 - a. 3.24m
 - b. 40m
 - c. 40 cm
 - d. None of the above

5. Simple manometer/ U- tube manometer can measure-----