

Interview Questions

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40 TOP FLUID MECHANICS Online Test – Multiple Choice Questions and Answers

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Congratulations – you have completed **Fluid Mechanics Online Test Set 1**.

You scored **3** points out of **10** points total.

Your answers are shown below:

1. Which of the fluid forces are not considered in the Reynold's equation of flow ?

- **Pressure forces**
- **Compressibility forces**

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- Turbulent forces
- Viscous forces

2. Acceleration head in a reciprocating pump

- increases the work done during delivery stroke
- **increases the work done during suction stroke**
- does not change the work requirement of the pump
- decreases the work done during suction stroke

3. Drag force acting on a body does not depend upon the

- density of the fluid
- velocity of the body
- **density of the body**
- projected area of the body

4. Velocity distribution for flow between two fixed parallel plates

- varies parabolically across the section
- is zero at the plates and increases linearly to the midplane
- **is constant over the entire cross-section**
- none of these

5. If more than two branches of pipes are to be connected at the same point, then use a/an

- union
- **elbow**
- tee
- none of these

6. Mass velocity is independent of temperature & pressure, when the flow is

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- unsteady through unchanged cross-section
- steady through changing cross-section
- **steady and the cross-section is unchanged**
- unsteady and the cross-section is changed

7. Check valves are used

- in bends
- at high pressure
- **for controlling water flow**
- for unidirectional flow

8. In an incompressible fluid, the density is

- sensible to changes in both temperature & pressure
- not affected with moderate change in temperature & pressure
- greatly affected only by moderate changes in temperature
- **greatly affected by moderate changes in pressure**

9. For ideally incompressible fluid, the Mach number will be

- **1**
- 1.5
- 2
- 5

10. Very small pressure difference (< 5 mm water column) can be most conveniently measured by a/an _____ manometer

- inclined tube mercury
- U-tube water
- **U-tube mercury**
- inclined tube water

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