

Fluid Mechanics MCQ Questions and Answers Pdf Download

1. The line that connects all particles passing through a point is known as
- Streamline
 - Pathline
 - Streakline
 - All of the above

Ans: C

2. _____ can be traced by injecting a dye in the flowing liquid.
- Streamline
 - Pathline
 - Streakline
 - All the above

Ans: C

3. Using flownets
- Uplift pressure on dam can be found
 - Outlets can be designed for their streamlining
 - Loss of flow due to seepage in earth dam can be evaluated
 - All the above

Ans: D

4. In irrotational flow
- The fluid does not rotate as it moves along
 - The net rotation of fluid particles about their mass centre remains zero
 - The streamlines are curved and closely spaced.
 - None of the above

Ans: B

5. The science that considers the forces causing flow of fluids is known as
- Statics of fluid
 - Kinematics of fluid
 - Dynamics of fluid
 - None of these

Ans: C

6. The fundamental transport phenomenon associated with the motion of fluid
- Is mass transport
 - Is heat transport
 - Momentum transport
 - All the above

Ans: D

7. In Reynolds equation
- No force is neglected
 - Only force of compressibility is neglected
 - Both force of compressibility and force of turbulence are neglected.
 - Forces of compressibility, turbulence and velocity are neglected.

Ans: B

8. In Navier-Stoke equation
- No force is neglected

- b. Only force of compressibility is neglected
- c. Both force of compressibility and force of turbulence are neglected
- d. Forces of compressibility, turbulence and velocity are neglected

Ans: C

9. In Euler's equations

- a. No force is neglected
- b. Only force of compressibility is neglected
- c. Both force of compressibility and force of turbulence are neglected
- d. Forces of compressibility, turbulence and velocity are neglected

Ans: D

10. Bernoulli equation finds its application in

- a. Pitot tube
- b. Venturimeter
- c. Orifice meter
- d. All the above

Ans: D

meritnotes.com