AllAbtEngg.com For Questions, Notes, Syllabus & Results

Basics of Thermodynamics & Fluid Mechanics Important 2 Mark questions

- 1. What are the pressure and temperature of STP and NTP conditions?
- 2. What is point function? Give examples.
- 3. What is throttling process?
- 4. What are the assumptions made in deriving air standard efficiency?
- 5. Write down the steady flow energy equation.
- 6. Compare the properties, adhesion and cohesion.
- 7. List out the various types of orifices and its applications.
- 8. State Bernoulli's theorem.
- 9. Define specific weight of a fluid.
- 10. State Boyle's law.
- 11. What is reversible process?
- 12. Define Air-standard efficiency.
- 13. Define Pascal's law.
- 14. What is wetted perimeter?
- 15. Define second law of thermodynamics.

Important 3 Mark questions

- 1. What is thermodynamic equilibrium?
- 2. What are the assumptions made in steady flow energy equation?
- 3. Define the properties, specific weight and specific volume.
- 4. Define Pascal's law.
- 5. Write the formula for discharge through venturimeter.
- 6. Define path function with example.
- 7. Differentiate between intensive and extensive properties.
- 8. Define characteristic gas equation.
- 9. Briefly explain about Dead weight pressure gauge.
- 10. Explain any three minor losses occurred in fluid flow.