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**For Questions, Notes, Syllabus & Results**  
**Aerodynamics- II**

**Important 2mark questions**

**Unit I**

1. State why the low speed gases were treated as incompressible flows?
2. Differentiate isothermal compressibility and isentropic compressibility.
3. Determine the speed of sound for a hydrogen molecule at standard atmospheric condition.

**Unit II**

1. State the physical conditions must holds good across the slip line.
2. Sketch the shock polar diagram.
3. What is transonic lambda shock?

**Unit III**

1. What is meant by small perturbation theory?
2. What is meant by characteristics lines?
3. State Prandtl-Glauert rule.

**Unit IV**

1. What is meant by drag divergence Mach number?
2. What is meant by shock stall?
3. What is wave drag?

**Unit V**

1. List out the advantage of induction supersonic tunnels.
2. List out the components of shock tube.
3. What is the basic principle behind the optical flow visualization techniques?