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**MODULE – 8 (AUGUST 2017 SET 2) BASIC AERODYNAMICS**

1. ISA Makes for?
  - A. Standardized the temperature, pressure and density
2. ISA includes ?
  - A. Pressure and density
3. Directional control provided by?
  - A. Rudder
4. For steeper turn?
  - A. High speed
  - B. High speed, AOA
  - C. High speed, AOA, at stalling speed
5. To reduce induced drag to minimum
  - A. Aspect ratio should be max
  - B. Aspect ratio should be least
  - C. .
  - D. .
6. Temp below height suddenly drop in
  - A. Troposphere
  - B. Stratosphere
  - C. Ionosphere
  - D. .
7. Which angle provides lateral stability?
  - A. Sweptback angle
8. Sweptback angle provide which stability?
  - A. Lateral
9. A/C Takeoff angle of attack during climbing?
  - A. Toe at 25' of AOA
  - B. Above the stalling speed
  - C. Below the stalling speed
10. In accomplished with the engine
  - A. Flat route
  - B. Reduce speed

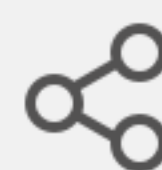
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10. It is accomplished with the engine
- A. Flat route
  - B. Reduce speed

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- C. High speed
11. The direction stability may define according to ?
- A. Stick fixed
  - B. Stick Free
  - C. Both
12. Aspect ratio for subsonic?
- A. 2 to 1
  - B. 4 to 1
  - C. 6 to 1
13. Except..... drag all drag are directly proportional to the surface area?
- A. Parasite drag
  - B. Induced drag
  - C. Form drag
14. Weight of the air act to that surface?
- A. Force
  - B. Pressure
  - C. NOTA
15. In the area SCC from which we can measure the angle to the direction of the airflow?
- A. Chord line
  - B. Line of zero lift
  - C. Line of neutral lift

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