Assignment 02

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

1) For a conventional aircraft the sign of $C_{l,0}$ is?
   - $+$
   - $-$
   - Both $+$ and $-$ are possible
   - Cannot say
   - No, the answer is incorrect.
   - Accepted Answers
     * Both $+$ and $-$ are possible

2) For a conventional aircraft, the sign of $C_{l,0}$ is $+$ (Hint: Aircraft can go beyond the stall angle)
   - $+$
   - $-$
   - Both $+$ and $-$ are possible
   - Cannot say
   - No, the answer is incorrect.
   - Accepted Answers
     * Both $+$ and $-$ are possible

3) The two aircrafts are aerodynamically similar but first one is bigger one in size and mass in compare with second one, which one will be more stable?
   - First one
   - Second one
   - Both will be same
   - Cannot say
   - No, the answer is incorrect.
   - Accepted Answers
     * First one

4) At neutral point?
   - $C_{L,0} = 0$
   - $C_{D,0} = 0$
   - $C_{M,0} = 0$
   - Cannot say
   - No, the answer is incorrect.
   - Accepted Answers
     * $C_{L,0} = 0$

5) Which placement of wing gives more lateral stability of aircraft?
   - High wing
   - Low wing
   - Mid wing
   - Cannot say
   - No, the answer is incorrect.
   - Accepted Answers
     * High wing

6) Which placement of wing gives minimum drag?
   - High wing
   - Low wing
   - Mid wing
   - Cannot say
   - No, the answer is incorrect.
   - Accepted Answers
     * Low wing

7) During a flight due to passengers movement the CG of airplane moves forward, real point, due to this the elevator angle required to trim the airplane will?
   - Increases
   - Decreases
   - Remain same
   - Cannot say
   - No, the answer is incorrect.
   - Accepted Answers
     * Increases

8) A high wing aircraft will require more (thru or less than) a low wing aircraft?
   - Yes
   - False
   - Cannot say
   - None of these
   - No, the answer is incorrect.
   - Accepted Answers
     * False

9) In an aircraft without changing any other dimensions the tail sitting angle is increased by 5 degrees. Due to this change the longitudinal stability of aircraft will?
   - Increases
   - Decreases
   - Remain same
   - Cannot say
   - No, the answer is incorrect.
   - Accepted Answers
     * Increases

10) Longitudinal stability of an airplane depends upon?
    - Tail area
    - Control surface area
    - Type of wing used in wing tip
    - None of these
    - No, the answer is incorrect.
    - Accepted Answers
      * Tail area