Assignment 01

The due date for submitting this assignment has passed. Due on 2019-08-14, 23:59 IST. As per our records you have not submitted this assignment.

1) A wing is made of positive cambered airfoil the lift coefficient at zero-degree angle of attack will be?
   - Positive
   - Zero
   - Negative
   - Cannot say
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Positive

2) A wing is made of negative cambered airfoil the lift coefficient at zero-degree angle of attack will be?
   - Positive
   - Zero
   - Negative
   - Cannot Say
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Negative

3) A wing is made of symmetrical airfoil the lift coefficient at zero-degree angle of attack will be?
   - Positive
   - Zero
<table>
<thead>
<tr>
<th>Week</th>
<th>Question</th>
<th>Answer Options</th>
<th>Correct Answer</th>
<th>Score</th>
<th>Accepted Answers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4) The Aspect ratio of elliptical wing is?</td>
<td>Infinite, Zero, Finite &amp; Non Zero</td>
<td>Option Infinite and Finite &amp; Non Zero are possible</td>
<td>1 point</td>
<td>Finite &amp; Non Zero</td>
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<td>5) A twin engine aircraft is cruising at an altitude of 10Km. When one of engine fails, which control surface serves an essential role in maintaining attitude of the aircraft?</td>
<td>Elevator, Rudder, Ailerons, Both Rudder &amp; Ailerons</td>
<td>Both Rudder &amp; Ailerons</td>
<td>1 point</td>
<td>Both Rudder &amp; Ailerons</td>
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<td>6) Longitudinal stability of an airplane depends upon?</td>
<td>Tail arm, Control surface area, Type of Winglets used in wing tip, None of these</td>
<td>None of these</td>
<td>1 point</td>
<td>None of these</td>
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<td>7) A positive tail incidence angle setting, as compared to zero tail incidence angle setting, will result in?</td>
<td>Same static stability, More static stability, Less static stability, None of these</td>
<td>None of these</td>
<td>1 point</td>
<td>None of these</td>
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<td>8) What is the main function elevator? (CL=lift coefficient, Cm=pitching moment coefficient and ( \alpha )=angle of attack)</td>
<td></td>
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<td>1 point</td>
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9) What is the main function aileron? (CL=lift coefficient, Cm=pitching moment coefficient and α=angle of attack)

- Change slope of CL vs α curve
- Change slope of Cm vs α curve
- Change intercept of CL vs α curve
- None of these

No, the answer is incorrect.
Score: 0
Accepted Answers: None of these

10) What is the main function rudder? (CL=lift coefficient, Cm=pitching moment coefficient and α=angle of attack)

- Change slope of CL vs α curve
- Change slope of Cm vs α curve
- Change intercept of CL vs α curve
- None of these

No, the answer is incorrect.
Score: 0
Accepted Answers: None of these