Assignment 11

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Due on 2021-04-07, 23:59 IST.

1) Which of the following items are present in an Aircraft?
   - Envelope
   - Deadening surfaces
   - LIA gas
   - Control surfaces
   - Powerplant
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
2) Which of the following items are the user specified inputs for Aircraft design?
   - Operating Altitude
   - Payload
   - Pre Configuration
   - Permissible Bending
   - Envelope Shape Profile
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
3) Which parameters influence design constants in Aircraft Design Methodology?
   - Payload
   - Dependent Altitude
   - Envelope perimeter
   - Lift-to-Drag ratio
   - Envelope specific weight
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
4) How much power of an 13h gas is permissible during its deployment?
   - 85-94 kS
   - 90-96 kS
   - 95-106 kS
   - 96-107 kS
   - 102-107 kS
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
5) Torque is below at the Confluence Point of:
   - minimum
   - maximum
   - zero
   - Can’t say anything.
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
6) Which of the following items are the components of the ballast system?
   - Air blowers
   - Solar panels
   - Pressure sensors
   - Retractable unit
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
7) As wind speed increases, the efficiency of the aerostat:
   - remains constant
   - increases
   - decreases
   - first decreases then remains constant.
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
8) As operating attitude of an aerostat increases, its payload carrying capability:
   - increases
   - decreases
   - first increases up to 3 km then decreases
   - first decreases up to 2 km then increases
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
9) The key output(s) from the Aircraft Design Methodology are:
   - Mass Inheritance
   - Molar profile estimation
   - Molar density estimation
   - Envelope geometric dimensions
   - No, the answer is incorrect.
   - Score: 0
   Accepted Answers: 0
   
10) The net moment acting at the Confluence Point in a trimmed condition is:
    - 0
    - > 0
    - < 0
    - Could be any value.
    - No, the answer is incorrect.
    - Score: 0
    Accepted Answers: 0
    
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For more details, please refer to the course outline and assignments.

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Course outline
How does an NTILT online course work?
Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9
Week 10
Week 11
- Lecture 11: Introduction to Aircraft Design Methodology
- Lecture 12: Principles of Aircraft Design Methodology
- Lecture 13: An Overview of Aircraft Performance
- Lecture 14: Aircraft Design Methodology - Part 1
- Lecture 15: Aircraft Design Methodology - Part 2
- Lecture 16: Aircraft Design Methodology - Part 3
- Lecture 17: Aircraft Design Methodology - Part 4

Quiz - Assignment 11
- Assignment assistance 11
- Week 14 Practice Questions
- Test Transcripts
- Live Sessions