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NPTEL

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Courses » Aircraft Dynamic Stability &amp; Design of Stability Augmentation System

Announcements **Course** Ask a Question Progress

## Unit 8 - Week 7

### Course outline

How to access the portal

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Assignment 7

Week 8

## Assignment 7

The due date for submitting this assignment has passed. **Due on 2016-09-08, 23:59 IST**  
As per our records you have not submitted this assignment.

1) For the characteristic equation

1 point

number of poles in the right half of s-plane are

- 1
- 2
- 3
- All poles are in left half and system is stable

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

2

2) For the characteristic equation

1 point

number of poles in the right half of s-plane are

- 1
- 2
- 3
- All poles are in left half and system is stable

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

2

3) **Data for Ques 3-4:**

2 points

The short period equation with control input from elevator in state form is given by

The transfer function of  $\Delta\alpha(s)/\Delta\delta_e(s)$  is given by

- 
- 
- 
-

No, the answer is incorrect.

Score: 0

Accepted Answers:

4) The transfer function of  $\Delta q(s)/\Delta \delta_e(s)$  is given by

2 points

- 
- 
- 
- 

No, the answer is incorrect.

Score: 0

Accepted Answers:

5) **Data for Ques 5-6:**

The state space equation for the long period with control input from elevator is given by

The transfer function of  $\Delta u(s)/\Delta \delta_e(s)$  is given by

- 
- 
- 
- 

No, the answer is incorrect.

Score: 0

Accepted Answers:

6) The transfer function of  $\Delta \theta(s)/\Delta \delta_e(s)$  is given by

2 points

- 
- 
- 
- 

No, the answer is incorrect.

Score: 0

Accepted Answers:



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