Ch 3B, L3, 2H

Started: Jul 24 at 10:23am

Quiz Instructions

Select the best answer.

Flag question: Question 1

Question 1 1 pts

Identify the three axes of flight and the type of movement associated with each axis.

Group of answer choices

A [Choose]

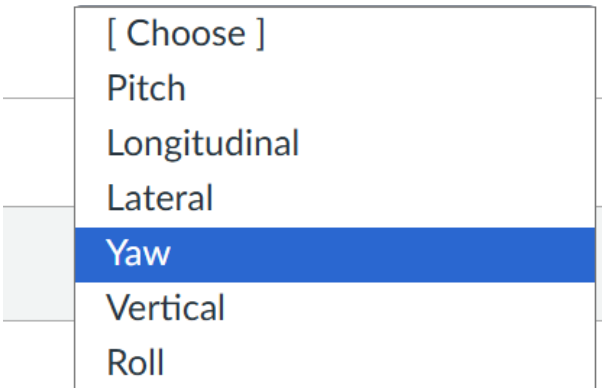
B [Choose]

C [Choose]

D [Choose]

E [Choose]

F [Choose]



Flag question: Question 2

Question 2 3 pts

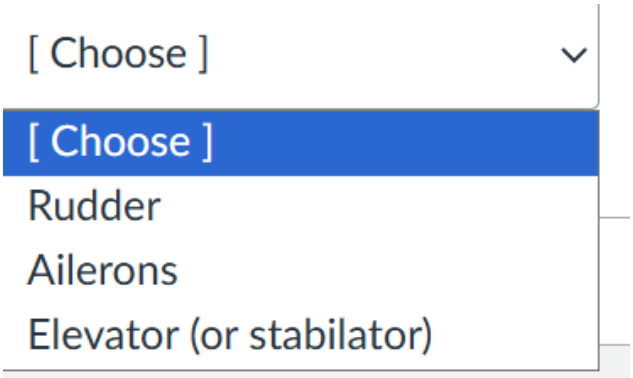
Match the following control surface with the associated aircraft movement

Group of answer choices

Roll Movement [Choose]

Pitch Movement [Choose]

Yaw Movement [Choose]



Flag question: Question 3

Question 3 1 pts

In relation to the center of gravity, in which direction would the center of pressure normally move as angle of attack is increased on a cambered wing?

Group of answer choices

right

forward

back

left

Flag question: Question 4

Question 4 1 pts

What factors can affect the longitudinal stability of an airplane at high power settings and low airspeed.

Group of answer choices

Increase in thrust decreases nose swing to the left.

Increase in thrust can cause the stability to decrease due to downwash over the elevator.

Increase in thrust increases nose heaviness due to the placement of the thrustline above the center of gravity of the aircraft.

Flag question: Question 5

Question 5 1 pts

Does the propwash resulting from high power settings increase or decrease the contribution of wing dihedral to the lateral stability of an airplane?

Group of answer choices

equal

decrease

increase

Flag question: Question 6

Question 6 1 pts

An aircraft with strong directional stability and weak lateral stability is prone to what type of undesirable side effect?

Group of answer choices

Lateral Instability

Spiral Instability

Dutch Roll

Flag question: Question 7

Question 7 1 pts

True/False. When landing in gusty winds, airspeed should be increased above normal to help guard against a stall.

Group of answer choices

True

False

Flag question: Question 8

Question 8 1 pts

Select the basic guidelines for stall recovery

Group of answer choices

briskly pull back on the control

smoothly apply max power

bank in the direction of the stall

decrease the angle of attack

once the airplane recovers, adjust the power as necessary while maintaining coordinated flight

Flag question: Question 9

Question 9 1 pts

Select the seven basic guidelines for spin recovery

Group of answer choices

neutralize the ailerons

neutralize the rudders when rotation stops

briskly apply elevator to neutral or slightly forward of neutral

throttle to idle

apply full opposite rudder

apply rudder in the direction of rotation

determine the direction of rotation

apply aft elevator to return to level flight

briskly apply elevator aft of neutral

max power

Not saved

answers

Ch 3B, L3, 2H Results for Martin Freiwald

Score for this attempt: **9.38** out of 11
Submitted Jul 23 at 10:57am
This attempt took 4 minutes.

Correct answer

Question 1
1 / 1 pts

Identify the three axes of flight and the type of movement associated with each axis.

A

Lateral

B

Pitch

C

Vertical

D

Yaw

E

Roll

F

Longitudinal

Correct answer

Question 2
3 / 3 pts

Match the following control surface with the associated aircraft movement

Roll Movement

Ailerons

Pitch Movement

Elevator (or stabilator)

Yaw Movement

Rudder

Correct answer

Question 3

1 / 1 pts

In relation to the center of gravity, in which direction would the center of pressure normally move as angle of attack is increased on a cambered wing?

left

right

forward

back

Wrong answer

Question 4

0 / 1 pts

What factors can affect the longitudinal stability of an airplane at high power settings and low airspeed.

Increase in thrust increases nose heaviness due to the placement of the thrustline above the center of gravity of the aircraft.

Increase in thrust decreases nose swing to the left.

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Correct answer

Question 5

1 / 1 pts

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Correct answer

Question 6

1 / 1 pts

An aircraft with strong directional stability and weak lateral stability is prone to what type of undesirable side effect?

Dutch Roll

Spiral Instability

Lateral Instability

Correct answer

Question 7
1 / 1 pts

True/False. When landing in gusty winds, airspeed should be increased above normal to help guard against a stall.

- (•) True
- ( ) False

Question 8
0.67 / 1 pts

Select the basic guidelines for stall recovery

- [x] decrease the angle of attack
- [ ] smoothly apply max power
- [ ] bank in the direction of the stall
- [ ] briskly pull back on the control
- [x] once the airplane recovers, adjust the power as necessary while maintaining coordinated flight

Question 9

0.71 / 1 pts

Select the seven basic guidelines for spin recovery

- [x] apply full opposite rudder
- [x] neutralize the ailerons
- [ ] neutralize the rudders when rotation stops
- [x] briskly apply elevator to neutral or slightly forward of neutral
- [x] throttle to idle
- [x] apply aft elevator to return to level flight
- [ ] apply rudder in the direction of rotation
- [x] briskly apply elevator aft of neutral
- [x] determine the direction of rotation
- [ ] max power

Quiz Score: **9.38** out of 11

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3 / 3 pts

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0 / 1 pts

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Correct answer

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1 / 1 pts

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True

False

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0.67 / 1 pts

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☑

apply aft elevator to return to level flight

- [ ] apply rudder in the direction of rotation
- [x] briskly apply elevator aft of neutral
- [x] determine the direction of rotation
- [ ] max power

Quiz Score: **9.38** out of 11