

First and last name

Question 1/20

What is controllability ?

- A. Response of an aircraft to the pilots commands.
- B. directed along the pilot flight path
- C. NOTA

Question 2/20

Types of stability

- A. Static Stability
- B. Dynamic Stability
- C. Both A and B

Question 3/20

The initial tendency or direction of movement back to equilibrium .

- A. Static Stability
- B. Dynamic Stability
- C. Both A and B

Question 4/20

The initial tendency of an aircraft to return to the original state of equilibrium after being disturb.

- A. Positive Static Stability
- B. Negative Static Stability
- C. Neutral Static Stability

Question 5/20

The initial tendency of the aircraft to remain in a new condition after its equilibrium has been disturbed.

- A. Positive Static Stability
- B. Negative Static Stability
- C. Neutral Static Stability

Question 6/20

The initial tendency of an aircraft to continue away from the original state of equilibrium after being disturbed.

- A. Positive Static Stability
- B. Neutral Static Stability
- C. Negative Static Stability

Question 7/20

The aircraft response over time when disturbed from a give AOA , slip, or bank.

- A. Static Stability
- B. Dynamic Stability
- C. Both A and B

Question 8/20

Longitudinal stability or instability depends on MTCS,

- A. Location of the horizontal tail surfaces with respect to the CG.
- B. Location of the horizontal tail surfaces with respect to the CP.
- C. Both A and B

Question 9/20

Longitudinal stability or instability depends on

- A. Location of wing with respect to the CG
- B. as in A location of the horizontal tail surfaces with respect to the CG
- C. as in B Area or size of the tail surfaces.

Question 10/20

Longitudinal stability is the quality that makes an aircraft stable about which axis ?

- A. Lateral axis
- B. Normal axis
- C. Longitudinal axis

Question 11/20

Nose moves up and down it is?

- A. Pitching movement
- B. rolling movement
- C. yawing movement

Question 12/20

When the AOA increases then CL?

- A. moves aft
- B. moves forward
- C. remains same

Question 13/20

When the lift on leading is maximum?

- A. CL constant neither aft not forward
- B. CL moves aft
- C. CL moves forward

Question 14/20

Center of lift is also known as.....

- A. Center of Pressure (CP)
- B. Center of Gravity (CG)
- C. AOA

Question 15/20

Nose heavy condition ?

- A. CL is to rear of the CG
- B. CL is the to front of the CG
- C. Both A and B

Question 16/20

Aircraft speed decreases then

- A. The speed of the airflow over the wing is increases
- B. The speed of the airflow over the wing is decreases
- C. The speed of the airflow over the wing is constant

Question 17/20

In turn the aircraft nose

- A. pitch up more
- B. pitch down more
- C. Both A and B

Question 18/20

High thrust line

- A. line of thrust passes above the CG
- B. line of thrust passes below the CG
- C. NONE

Question 19/20

Nose up condition.....

- A. thrust line above the CG
- B. thrust line below the CG
- C. thrust line through the CG

Question 20/20

Nose down condition

- A. Thrust line above the CG
- B. Thrust line below the CG
- C. Thrust line through the CG