Ch 2C, L2, 2H

Started: Jul 24 at 10:13am

Quiz Instructions

Select the best answer.

Flag question: Question 1

Question 1 1 pts

What is the atmospheric pressure and temperature at sea level in a standard atmosphere

Group of answer choices

59°C and 1,013.25 mb

29.92 in. Hg. and 15°C

29.92 in. Hg. and 59°C

Flag question: Question 2

Question 2 1 pts

Pitot pressure is used by which flight instruments?

Group of answer choices

Altimeter

Airspeed Indicator

Vertical Speed Indicator

Turn Coordinator

Flag question: Question 3

Question 3 1 pts

Identify the V-speeds associated with the colored arcs.

Group of answer choices

A [Choose]

B [Choose]

C [Choose]

D [Choose]

E [Choose]

Flag question: Question 4

Question 4 1 pts

Which important airspeed limitation changes with aircraft weight and is not depicted on the airspeed indicator?

Group of answer choices

Maneuvering Speed

Rotating Speed

Flap Speed

Stall Speed

Flag question: Question 5

Question 5 4 pts

Match the following types of altitude with the corresponding description

Group of answer choices

Pressure Altitude [Choose]

Density Altitude [Choose]

True Altitude [Choose]

Absolute Altitude

[Choose]

Flag question: Question 6

Question 6 1 pts

You fly from an area of high pressure to an area of low pressure, but do not reset your altimeter. If you maintain a consistent indicated altitude, will you be at your desired altitude?

Group of answer choices

depends

no

yes

maybe

Flag question: Question 7

Question 7 1 pts

What will the effect be on the airspeed indicator if the static system becomes clogged, but the pitot system remains unobstructed?

Group of answer choices

The airspeed indicator will act like an altimeter.

Slower after a climb, Faster after a descent.

There is no effect.

Flag question: Question 8

Question 8 1 pts

What type of movement is depicted by the attitude indicator, but not the turn coordinator?

Group of answer choices

roll

turn

bank

pitch

Flag question: Question 9

Question 9 1 pts

True/False. If you accelerate an airplane in the northern hemisphere on a heading of east, your compass will indicate a turn to the south.

Group of answer choices

True

False

Flag question: Question 10

Question 10 1 pts

Which best describes the function of the AHRS.

Group of answer choices

To provide a backup to the analog gauges

To provide a moving map display

To provide attitude, heading, rate of turn, and slip/skid information

Flag question: Question 11

Question 11 1 pts

Select the true statement regarding the digital attitude indicator.

Group of answer choices

In a slip, the trapezoid of the slip/skid indicator located beneath the roll pointer moves to the inside of the turn.

The turn-rate vector located on the roll scale indicates standard-rate turns.

The roll scale reference marks are at 10, 25, 45, and 60 degrees.

Flag question: Question 12

Question 12 1 pts

What information is provided by the trend vector on the HSI?

Group of answer choices

The end of the trend vector shows what the airplane's heading will be in 10 seconds.

The end of the trend vector shows what the airplane's heading will be in 18 seconds if the turn continues at the same rate.

The end of the trend vector shows what the airplane's heading will be in six seconds if the turn continues at the same rate.

Flag question: Question 13

Question 13 1 pts

If the AHRS detects a problem with the integrity of the sensor information, what occurs?

Group of answer choices

The system reverts to reversionary mode and PFD information is displayed on the MFD.

A red X is placed over the display of the affected instrument (attitude indicator or HSI).

After an alert message appears, you must determine the affected instrument by comparing the indications of all instruments.

Flag question: Question 14

Question 14 1 pts

Select the true statement about the ADC.

Group of answer choices

The failure of a single sensor affects every instrument that receives information from the ADC.

The ADC determines the readings for the airspeed indicator, attitude indicator, and altiimeter.

The pitot tube, static source, and outside air temparature probe provide information to the ADC.

Flag question: Question 15

Question 15 1 pts

What is true about the indications on the altimeter shown below?

Group of answer choices

In six seconds, the airplane will reach an altitude of 8,500 ft MSL if it continues to climb at the same rate.

No answer text provided.

In ten seconds, the airplane will reach an altitude of 8,460 ft MSL if it continues to climb at the same rate.

In six seconds, the airplane will reach an altitude of 8,460 ft MSL if it continues to climb at the same rate.

Flag question: Question 16

Question 16 1 pts

What is true about how the electronic flight display system compensates for a PFD screen failure?

Group of answer choices

The Integrated Flight Display is configured so that the functions of the PFD can be transferred to the MFD screen, and vice versa.

The Integrated Flight Display does not compensate for the loss of the PFD.

The Integrated Flight Display is configured so that only the essential information is transferred to the MFD.

Flag question: Question 17

Question 17 1 pts

An enhanced flight vision system (EFVS) can be displayed on a PFD.

Group of answer choices

True

False

Answers

Ch 2C, L2, 2H Results for Martin Freiwald

Score for this attempt: **20** out of 20
Submitted Jul 23 at 10:21am
This attempt took 4 minutes.

Correct answer

Question 1
1 / 1 pts

What is the atmospheric pressure and temperature at sea level in a standard atmosphere

59°C and 1,013.25 mb

29.92 in. Hg. and 15°C

29.92 in. Hg. and 59°C

Correct answer

Question 2
1 / 1 pts

Pitot pressure is used by which flight instruments?

Vertical Speed Indicator

Altimeter

Airspeed Indicator

Turn Coordinator

Correct answer

Question 3

1 / 1 pts

Identify the V-speeds associated with the colored arcs.

A

VS0

B

VS1

C

VFE

D

VNO

E

VNE

Correct answer

Question 4

1 / 1 pts

Which important airspeed limitation changes with aircraft weight and is not depicted on the airspeed indicator?

Rotating Speed

Flap Speed

Maneuvering Speed

Stall Speed

Correct answer

Question 5

4 / 4 pts

Match the following types of altitude with the corresponding description

Pressure Altitude

the vertical distance above the standard datum plane

Density Altitude

pressure altitude corrected for non-standard temperature

True Altitude

the actual height of an object above mean sea level

Absolute Altitude

the height of the airplane above the earth's surface

Correct answer

Question 6

1 / 1 pts

You fly from an area of high pressure to an area of low pressure, but do not reset your altimeter. If you maintain a consistent indicated altitude, will you be at your desired altitude?

no

If you fly from an area of high pressure to an area of low pressure without resetting your altimeter, the altimeter will sense the decrease in pressure as an increase in altitude. The altitude indicated on the altimeter will be higher than the true altitude of the airplane

depends

maybe

yes

Correct answer

Question 7
1 / 1 pts

What will the effect be on the airspeed indicator if the static system becomes clogged, but the pitot system remains unobstructed?

The airspeed indicator will act like an altimeter.

Slower after a climb, Faster after a descent.

At altitudes above the point where the static ports become clogged, the airspeed indicator will indicate slower than actual because the trapped static pressure is higher than normal for that altitude. At altitudes lower than the point where the static ports became clogged, the airspeed will indicate faster than actual since the trapped static pressure is lower than normal for that altitude.

There is no effect.

Correct answer

Question 8
1 / 1 pts

What type of movement is depicted by the attitude indicator, but not the turn coordinator?

bank

roll

turn

pitch

Correct answer

Question 9

1 / 1 pts

True/False. If you accelerate an airplane in the northern hemisphere on a heading of east, your compass will indicate a turn to the south.

True

False

Correct answer

Question 10

1 / 1 pts

Which best describes the function of the AHRS.

To provide a backup to the analog gauges

To provide a moving map display

To provide attitude, heading, rate of turn, and slip/skid information

Correct answer

Question 11

1 / 1 pts

Select the true statement regarding the digital attitude indicator.

The roll scale reference marks are at 10, 25, 45, and 60 degrees.

In a slip, the trapezoid of the slip/skid indicator located beneath the roll pointer moves to the inside of the turn.

The turn-rate vector located on the roll scale indicates standard-rate turns.

Correct answer

Question 12

1 / 1 pts

What information is provided by the trend vector on the HSI?

The end of the trend vector shows what the airplane's heading will be in 18 seconds if the turn continues at the same rate.

The end of the trend vector shows what the airplane's heading will be in six seconds if the turn continues at the same rate.

The end of the trend vector shows what the airplane's heading will be in 10 seconds.

Correct answer

Question 13

1 / 1 pts

If the AHRS detects a problem with the integrity of the sensor information, what occurs?

After an alert message appears, you must determine the affected instrument by comparing the indications of all instruments.

The system reverts to reversionary mode and PFD information is displayed on the MFD.

A red X is placed over the display of the affected instrument (attitude indicator or HSI).

Correct answer

Question 14

1 / 1 pts

Select the true statement about the ADC.

The failure of a single sensor affects every instrument that receives information from the ADC.

The ADC determines the readings for the airspeed indicator, attitude indicator, and altiimeter.

The pitot tube, static source, and outside air temparature probe provide information to the ADC.

Correct answer

Question 15

1 / 1 pts

What is true about the indications on the altimeter shown below?

In ten seconds, the airplane will reach an altitude of 8,460 ft MSL if it continues to climb at the same rate.

No answer text provided.

In six seconds, the airplane will reach an altitude of 8,460 ft MSL if it continues to climb at the same rate.

In six seconds, the airplane will reach an altitude of 8,500 ft MSL if it continues to climb at the same rate.

Correct answer

Question 16

1 / 1 pts

What is true about how the electronic flight display system compensates for a PFD screen failure?

The Integrated Flight Display is configured so that the functions of the PFD can be transferred to the MFD screen, and vice versa.

The Integrated Flight Display is configured so that only the essential information is transferred to the MFD.

The Integrated Flight Display does not compensate for the loss of the PFD.

Correct answer

Question 17

1 / 1 pts

An enhanced flight vision system (EFVS) can be displayed on a PFD.

True

False

Ch 2C, L2, 2H Results for Martin Freiwald

Score for this attempt: **10.2** out of 20
Submitted Jul 23 at 9:58am
This attempt took 14 minutes.

Correct answer

Question 1
1 / 1 pts

What is the atmospheric pressure and temperature at sea level in a standard atmosphere

- (•) 29.92 in. Hg. and 15°C
- ( ) 29.92 in. Hg. and 59°C
- ( ) 59°C and 1,013.25 mb

Correct answer

Question 2
1 / 1 pts

Pitot pressure is used by which flight instruments?

- (•) Airspeed Indicator
- ( ) Turn Coordinator
- ( ) Vertical Speed Indicator
- ( ) Altimeter

Question 3
0.2 / 1 pts

Identify the V-speeds associated with the colored arcs.

A

VS1

VS0

B

VS0

VS1

C

VFE

D

VNE

VNO

E

VNO

VNE

Correct answer

Question 4
1 / 1 pts

Which important airspeed limitation changes with aircraft weight and is not depicted on the airspeed indicator?

- (•) Maneuvering Speed
- ( ) Flap Speed
- ( ) Rotating Speed
- ( ) Stall Speed

Wrong answer

Question 5
0 / 4 pts

Match the following types of altitude with the corresponding description

Pressure Altitude

pressure altitude corrected for non-standard temperature

the vertical distance above the standard datum plane

Density Altitude

the vertical distance above the standard datum plane

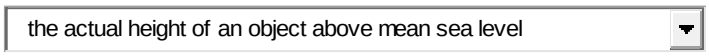
pressure altitude corrected for non-standard temperature

True Altitude

the height of the airplane above the earth's surface

the actual height of an object above mean sea level

Absolute Altitude



the height of the airplane above the earth's surface

Correct answer

Question 6

1 / 1 pts

You fly from an area of high pressure to an area of low pressure, but do not reset your altimeter. If you maintain a consistent indicated altitude, will you be at your desired altitude?

no

If you fly from an area of high pressure to an area of low pressure without resetting your altimeter, the altimeter will sense the decrease in pressure as an increase in altitude. The altitude indicated on the altimeter will be higher than the true altitude of the airplane

maybe

depends

yes

Wrong answer

Question 7

0 / 1 pts

What will the effect be on the airspeed indicator if the static system becomes clogged, but the pitot system remains unobstructed?

The airspeed indicator will act like an altimeter.

Slower after a climb, Faster after a descent.

There is no effect.

Correct answer

Question 8
1 / 1 pts

What type of movement is depicted by the attitude indicator, but not the turn coordinator?

bank

turn

pitch

roll

Correct answer

Question 9
1 / 1 pts

True/False. If you accelerate an airplane in the northern hemisphere on a heading of east, your compass will indicate a turn to the south.

True

False

Wrong answer

Question 10

0 / 1 pts

Which best describes the function of the AHRS.

To provide a moving map display

To provide attitude, heading, rate of turn, and slip/skid information

To provide a backup to the analog gauges

Wrong answer

Question 11

0 / 1 pts

Select the true statement regarding the digital attitude indicator.

In a slip, the trapezoid of the slip/skid indicator located beneath the roll pointer moves to the inside of the turn.

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Correct answer

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1 / 1 pts

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1 / 1 pts

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Wrong answer

Question 14
0 / 1 pts

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In ten seconds, the airplane will reach an altitude of 8,460 ft MSL if it continues to climb at the same rate.

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Question 16

1 / 1 pts

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Correct answer

Question 17

1 / 1 pts

An enhanced flight vision system (EFVS) can be displayed on a PFD.

True

False

Quiz Score: **10.2** out of 20