Ch 2B, L2, 2H

Started: Jul 24 at 10:10am

Quiz Instructions

Select the most correct answer.

Flag question: Question 1

Question 1 4 pts

Identify the four-stroke operating cycle step shown in each of the following illustrations.

Group of answer choices

A

[Choose]

B

[Choose]

C

[Choose]

D

[Choose]

Flag question: Question 2

Question 2 1 pts

As an airplane climbs, do you enrich or lean the mixture to maintain an optimum fuel/air ration?

Group of answer choices

lean

enrichen

Flag question: Question 3

Question 3 1 pts

What is your first indication of carburetor ice in an airplane equipped with a fixed pitch propeller?

Group of answer choices

decrease in engine RPM

decrease in airspeed

increase in engine RPM

increase in engine oil pressure

Flag question: Question 4

Question 4 1 pts

Why is an engine equipped with a fuel injection system less susceptible to induction icing than one equipped with a float-type carburetor

Group of answer choices

fuel vaporization in the venturai

less fuel is required for fuel injection

the type of engine is not relevent for induction icing

Flag question: Question 5

Question 5 1 pts

Which statement best describes a magneto?

Group of answer choices

The magnetos require current from the battery or alternator to provide current to the spark plugs

A magneto is a self-contained, engine-driven unit that supplies electrical current to the spark plugs.

The magnetos are on when the magnetos are on

Flag question: Question 6

Question 6 1 pts

The uncontrolled, explosive ignition of the fuel/air mixture within the cylinder's combustion chamber describes which type of abnormal combustion?

Group of answer choices

detonation

fuel starvation

pre-ignition

engine oil leak

Flag question: Question 7

Question 7 1 pts

Select the true statement regarding fuel systems.

Group of answer choices

An electric fuel pump provides fuel under pressure to teh fuel control unity after engine start.

A fuel-pump system is used in airplanes with fuel injection systems to provide sufficient pressure to the injector nozzles.

High- and low-wing airplanes with a carburetor typically have gravity-feed systems.

Flag question: Question 8

Question 8 1 pts

If the fuel grade specified for your airpane is not available, can you use a lower grade of fuel? A higher grade?

Group of answer choices

Lower grade

Higher grade

The fuel grade doesn't matter.

Flag question: Question 9

Question 9 6 pts

Select the functions performed by the engine oil system

Group of answer choices

cooling the engine

clean away contaminants

remove some heat from cylinders

replace fuel when fuel quantity is low

lubricating the engine's moving parts

reduce friction between engine parts

provide support to electrical system

provide a seal between the cylinder walls and pistons

Flag question: Question 10

Question 10 1 pts

If a constant-speed propeller is set to a high RPM, will the blade pitch (angle) be high or low?

Group of answer choices

low

high

Flag question: Question 11

Question 11 1 pts

True/False. To prevent internal engine damage in an airplane equipped with a constant-speed propeller, you should avoid low RPM settings with a high manifold pressure

Group of answer choices

True

False

Flag question: Question 12

Question 121 pts

True/False. It is normal to see a discharge in the ammeter gauge immediately after the engine has started.

Group of answer choices

True

False

Ch 2B, L2, 2H

Started: Jul 24 at 10:10am

Quiz Instructions

Select the most correct answer.

Flag question: Question 1

Question 14 pts

Identify the four-stroke operating cycle step shown in each of the following illustrations.

Group of answer choices

A [Choose]

B [Choose]

C [Choose]

D [Choose]

Flag question: Question 2

Question 21 pts

As an airplane climbs, do you enrich or lean the mixture to maintain an optimum fuel/air ration?

Group of answer choices

lean

enrichen

Flag question: Question 3

Question 3 1 pts

What is your first indication of carburetor ice in an airplane equipped with a fixed pitch propeller?

Group of answer choices

decrease in engine RPM

decrease in airspeed

increase in engine RPM

increase in engine oil pressure

Flag question: Question 4

Question 4 1 pts

Why is an engine equipped with a fuel injection system less susceptible to induction icing than one equipped with a float-type carburetor

Group of answer choices

fuel vaporization in the venturai

less fuel is required for fuel injection

the type of engine is not relevent for induction icing

Flag question: Question 5

Question 5 1 pts

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Group of answer choices

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Flag question: Question 6

Question 6 1 pts

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Group of answer choices

detonation

fuel starvation

pre-ignition

engine oil leak

Flag question: Question 7

Question 7 1 pts

Select the true statement regarding fuel systems.

Group of answer choices

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A fuel-pump system is used in airplanes with fuel injection systems to provide sufficient pressure to the injector nozzles.

High- and low-wing airplanes with a carburetor typically have gravity-feed systems.

Flag question: Question 8

Question 8 1 pts

If the fuel grade specified for your airpane is not available, can you use a lower grade of fuel? A higher grade?

Group of answer choices

Lower grade

Higher grade

The fuel grade doesn't matter.

Flag question: Question 9

Question 9 6 pts

Select the functions performed by the engine oil system

Group of answer choices

cooling the engine

clean away contaminants

remove some heat from cylinders

replace fuel when fuel quantity is low

lubricating the engine's moving parts

reduce friction between engine parts

provide support to electrical system

provide a seal between the cylinder walls and pistons

Flag question: Question 10

Question 10 1 pts

If a constant-speed propeller is set to a high RPM, will the blade pitch (angle) be high or low?

Group of answer choices

low

high

Flag question: Question 11

Question 11 1 pts

True/False. To prevent internal engine damage in an airplane equipped with a constant-speed propeller, you should avoid low RPM settings with a high manifold pressure

Group of answer choices

True

False

Flag question: Question 12

Question 12 1 pts

True/False. It is normal to see a discharge in the ammeter gauge immediately after the engine has started.

Group of answer choices

True

False

Answers

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

Correct answers are hidden.

Score for this attempt: **20** out of 20
Submitted Jul 23 at 9:44am
This attempt took 2 minutes.

Question 1
4 / 4 pts

Identify the four-stroke operating cycle step shown in each of the following illustrations.

A

Power

B

Intake

C

Exhaust

D

Compression

Question 2
1 / 1 pts

As an airplane climbs, do you enrich or lean the mixture to maintain an optimum fuel/air ration?

- (•) lean
- ( ) enrichen

Question 3

1 / 1 pts

What is your first indication of carburetor ice in an airplane equipped with a fixed pitch propeller?

decrease in airspeed

increase in engine RPM

increase in engine oil pressure

decrease in engine RPM

Question 4

1 / 1 pts

Why is an engine equipped with a fuel injection system less susceptible to induction icing than one equipped with a float-type carburetor

the type of engine is not relevent for induction icing

less fuel is required for fuel injection

fuel vaporization in the venturai

There can be a sharp temperature drop in a float-type carburetor due to fuel vaporization and decreasing air pressure in the venturi. If water vapor in the air condenses when the carburetor temperature is at or below freezing, ice may form. Since engines equipped with a fuel injection system eliminate the carburetor, they are relatively free from the formation of induction icing.

Question 5

1 / 1 pts

Which statement best describes a magneto?

The magnetos require current from the battery or alternator to provide current to the spark plugs

A magneto is a self-contained, engine-driven unit that supplies electrical current to the spark plugs.

The magnetos are on when the magnetos are on

Question 6
1 / 1 pts

The uncontrolled, explosive ignition of the fuel/air mixture within the cylinder's combustion chamber describes which type of abnormal combustion?

engine oil leak

fuel starvation

pre-ignition

detonation

Since detonation can occur when the engine overheats, you can lower the cylinder temperature by retarding the throttle, enriching fuel mixture, and/or lowering the nose to increase airspeed and the cooling airflow around the engine.

Question 7
1 / 1 pts

Select the true statement regarding fuel systems.

An electric fuel pump provides fuel under pressure to teh fuel control unity after engine start.

High- and low-wing airplanes with a carburetor typically have gravity-feed systems.

A fuel-pump system is used in airplanes with fuel injection systems to provide sufficient pressure to the injector nozzles.

Question 8
1 / 1 pts

If the fuel grade specified for your airpane is not available, can you use a lower grade of fuel? A higher grade?

Higher grade

You should not use a fuel grade lower than specified because it can cause cylinder head and engine temperatures to exceed normal operating limits. You may substitute the next higher grade, ONLY if it is approved by the manufacturer.

The fuel grade doesn't matter.

Lower grade

Question 9
6 / 6 pts

Select the functions performed by the engine oil system

replace fuel when fuel quantity is low

lubricating the engine's moving parts

☑ cooling the engine

☑ remove some heat from cylinders

☑ clean away contaminants

☑ reduce friction between engine parts

☑ provide a seal between the cylinder walls and pistons

☐ provide support to electrical system

Question 10
1 / 1 pts

If a constant-speed propeller is set to a high RPM, will the blade pitch (angle) be high or low?

◉ low

○ high

Question 11
1 / 1 pts

True/False. To prevent internal engine damage in an airplane equipped with a constant-speed propeller, you should avoid low RPM settings with a high manifold pressure

◉

True

False

Question 12
1 / 1 pts

True/False. It is normal to see a discharge in the ammeter gauge immediately after the engine has started.

True

False

Quiz Score: **20** out of 20

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

Correct answers are hidden.

Score for this attempt: **15** out of 20
Submitted Jul 23 at 9:35am
This attempt took 6 minutes.

Partial

Question 1
2 / 4 pts

Identify the four-stroke operating cycle step shown in each of the following illustrations.

A

Power

B

Intake

C

Power

D

Exhaust

Question 2
1 / 1 pts

As an airplane climbs, do you enrich or lean the mixture to maintain an optimum fuel/air ration?

enrichen

lean

Question 3
1 / 1 pts

What is your first indication of carburetor ice in an airplane equipped with a fixed pitch propeller?

increase in engine oil pressure

decrease in engine RPM

increase in engine RPM

decrease in airspeed

Question 4
1 / 1 pts

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Question 5

1 / 1 pts

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A magneto is a self-contained, engine-driven unit that supplies electrical current to the spark plugs.

Incorrect

Question 6

0 / 1 pts

The uncontrolled, explosive ignition of the fuel/air mixture within the cylinder's combustion chamber describes which type of abnormal combustion?

fuel starvation

pre-ignition

engine oil leak

detonation

Question 7

1 / 1 pts

Select the true statement regarding fuel systems.

An electric fuel pump provides fuel under pressure to teh fuel control unity after engine start.

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A fuel-pump system is used in airplanes with fuel injection systems to provide sufficient pressure to the injector nozzles.

Question 8
1 / 1 pts

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Higher grade

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Lower grade

Partial

Question 9
4 / 6 pts

Select the functions performed by the engine oil system

clean away contaminants

- [x] provide a seal between the cylinder walls and pistons
- [ ] remove some heat from cylinders
- [x] reduce friction between engine parts
- [ ] replace fuel when fuel quantity is low
- [x] cooling the engine
- [ ] provide support to electrical system
- [x] lubricating the engine's moving parts

Question 10
1 / 1 pts

If a constant-speed propeller is set to a high RPM, will the blade pitch (angle) be high or low?

- ( ) high
- (•) low

Question 11
1 / 1 pts

True/False. To prevent internal engine damage in an airplane equipped with a constant-speed propeller, you should avoid low RPM settings with a high manifold pressure

True

False

Question 12
1 / 1 pts

True/False. It is normal to see a discharge in the ammeter gauge immediately after the engine has started.

True

False

Quiz Score: **15** out of 20