

Unit 6 - WEEK 05

Register for Certification exam

Course outline

How to access the portal

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WEEK 05

Lecture 14 : Engine fuel and Fuel Metering Systems

Lecture 15 : Engine Fuel and Fuel Metering Systems Contd..

Lecture 16 : Engine Fuel and Fuel Metering Systems (Lab Session)

Quiz : Assignment 05

Assignment 05 Solution

Aircraft Maintenance (Engines) : Feedback For Week 5

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Assignment 05

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-04-03, 23:59 IST

1) Does the fuel-air mixture provided by a float carburetor become richer or leaner as the aircraft goes up in altitude?

- It becomes leaner
 It becomes richer
 It remains the same
 None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

It becomes richer

2) Does the fuel-air mixture provided by a float carburetor become richer or leaner when carburetor heat is applied?

- It remains the same
 It becomes leaner
 It becomes richer
 None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

It becomes richer

3) The engine develops maximum power, when the mixture of air and gasoline (by weight) is

- 8:1
 15:1
 18:1
 12:1

No, the answer is incorrect.

Score: 0

Accepted Answers:

12:1

4) The proportion of heat released to a mass of charge (fuel and air) is greatest when the ratio is

- 15:1
 8:1
 18:1
 12:1

No, the answer is incorrect.

Score: 0

Accepted Answers:

15:1

5) There is a decrease of power and temperature when

- I : Enrichment of fuel/air ratio above 0.080
 II : Leaning of fuel/air ratio below 0.067

- Only I is correct
 Only II is correct
 Both I and II are correct
 Both I and II are wrong

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both I and II are correct

6) To prevent vapor lock in fuel lines at high altitude, some aircraft are equipped with

- vapor separators
 direct-injection-type carburetors
 booster pumps
 none of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

booster pumps

7) 80 octane is equivalent to

- 80 % iso-octane and 20 % octane
 80 % octane and 20 % iso-octane
 80 % iso-octane and 20 % heptane
 80 % octane and 20 % iso-heptane

No, the answer is incorrect.

Score: 0

Accepted Answers:

80 % iso-octane and 20 % heptane

8) Uncontrolled explosion of fuel in a combustion chamber is called?

- knocking
 detonation
 jettison
 none of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

detonation

9) Backfire is a result of

- Too lean mixture and fast flame propagation
 Too enrich mixture and fast flame propagation
 Too lean mixture and slow flame propagation
 Too enrich mixture and slow flame propagation

No, the answer is incorrect.

Score: 0

Accepted Answers:

Too lean mixture and slow flame propagation

10) A wing with an integral fuel tank is called?

- Wet wing
 Dry wing
 Bladder wing
 none of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Wet wing

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