

AVIA 122 End of Course Exam review...

What kind of stress do wing struts experience in flight (tension or compression?)

What aluminum alloy is used for most modern aircraft?

What are the components of the wing truss?

What does the elevator control?

How does this affect aircraft performance?

What are the four types of flaps? Can you identify them?

How is flight affected with a forward CG out of limits? An extreme forward CG?

How is flight affected with an aft CG out of limits?

Under what conditions is a 100 hour inspection required?

Can the 100 hour inspection be overflowed? Under what conditions?

Who must perform the 100 hour inspection?

When is the Annual inspection due?

Who must perform the Annual inspection?

What flight instruments connect to the pitot-static system?

Which of these require static pressure?

Which of these require pitot pressure?

How will plugged pitot tube affect airspeed indications?

How will a plugged drain port affect airspeed indications?

Local altimeter normally reads: what type of altitude?

If you set altimeter at 2992, what type of altitude will you read?

What flight instruments are driven by gyroscopes?

What sources can power gyroscopic instruments?

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What powers the magneto system on the airplane?

What is the purpose of the grounding wire for magnetos?

What brake system is used most often on light aircraft?

How is the output of the alternator controlled?

What FAR deals with aircraft maintenance repair and return to service?

Who can perform preventative maintenance?

Who can perform limited preventative maintenance?

What two types of energy does a heat engine produce?

What does it use to do this?

What parts connect the engine to the propeller?

How can the pilot adjust the air:fuel ratio?

How can the pilot control engine temperature (four things)?

How can the pilot adjust mixture to reduce engine temperatures?

How can the pitch / angle of attack of a fixed pitch propeller be adjusted?

How can the pitch / angle of attack of a constant speed propeller be adjusted?

What is the sequence of a four-stroke engine?

What types of oil are used in an aircraft engine (break-in and normal operation)?

Where will the required fuel grade be marked / placarded on the aircraft?

What does AROW stand for?