

Chpt 5a, L5, 2h

- Due Jul 31 at 1pm
- Points 17
- Questions 14
- Time Limit None
- Allowed Attempts Unlimited

Instructions

Select the most correct answer.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	Time:8 minutes	Score:11 out

Score for this attempt: 11 out of 17

Submitted Jul 24 at 3:24pm

This attempt took 8 minutes.

Wrong answer

Question 1

0 / 1 pts

Select the true statement regarding ADS-B system components.

ADS-B In transmits line-of-sight signals from aircraft to ATC ground receivers and to aircraft receivers.

ADS-B Out transmits line-of-sight signals from aircraft to ATC ground receivers and to aircraft receivers.

ADS-B In receives signals from aircraft and displays their lateral position, altitude, and velocity to controllers.

Correct answer

Question 2

1 / 1 pts

Select the true statement regarding ADS-B services.

Regulations require the CDTI to be a dedicated display.

An effective range of 250 nautical miles enhances traffic conflict detection and resolution.

ADS-B provides data to ATC that immediately indicates when an aircraft deviates from its assigned flight path.

Correct answer

Question 3

1 / 1 pts

Some limitations of radar include: bending of radar waves, which results in ground clutter; reflection of waves by dense objects, such as heavy clouds, precipitation, ground obstacles, or mountains, which can weaken or eliminate the display of targets at a greater range; and screening by high terrain, which obstructs relatively low-altitude aircraft.

True

False

Wrong answer

Question 4

0 / 1 pts

Which is true about transponder modes?

Mode S provides two-way data link capability and enables ADS-B.

Mode A provides 4,096 available codes and transmits your airplane's altitude.

Mode C transmits your airplane's altitude and provides two-way data link capability.

Correct answer

Question 5

4 / 4 pts

Match the correct transponder codes.

VFR

1200

Hijacking

7500

two-way radio communication failure

7600

Emergency

7700

Correct answer

Question 6

1 / 1 pts

True/False: After landing and when clear of the active runway, you should set the transponder to STBY or OFF.

True

False

Wrong answer

Question 7

0 / 1 pts

When should you press IDENT on the transponder?

Its used to test the transponder after starting the aircraft.

When ATC asks you to "ident".

When you want to get ATC's attention.

Correct answer

Question 8

1 / 1 pts

Which services does FSS provide?

Weather briefings, NOTAMs, and flight plan filing at 1-800-WX-BRIEF or 1800wxbrief.com

Weather briefings, NOTAMs, and flight plan filing at 1-800-FLT-SERV or 1800fltserv.com

Updated weather, flight plan filing, and traffic advisories on 122.2 MHz or the local FSS frequency.

Wrong answer

Question 9

0 / 1 pts

Which is true regarding search and rescue services (SAR)?

If you have not closed your flight plan within 30 minutes after your ETA, Flight Service immediately alerts SAR system.

If you have not closed your flight plan within 15 minutes after your ETA, Flight service begins a phone search.

Flight Service alerts the SAR system if a phone search to locate your airplane is unsuccessful.

Correct answer

Question 10

1 / 1 pts

Which is true regarding the services that a control tower provides?

In class D airspace, tower controllers provide you with separation from other VFR aircraft.

Clearance delivery provides taxi clearance with a step-by-step routing to the runway.

The ATIS broadcasts of airport advisory information are updated when airport conditions change, when any official weather is received, and at the top of each hour.

Wrong answer

Question 11

0 / 1 pts

True/False: When the sky condition and visibility are absent from the ATIS broadcast it means the ceiling is 5,000 feet or higher and the visibility is 5 miles or more.

True

False

Wrong answer

Question 12

0 / 1 pts

Which is true regarding the services TRACONs and ARTCCs provide?

TRACON and ARTCC controllers provide separation between all aircraft.

You must obtain a transponder code and departure frequency for flight following when operating at any tower-controlled airport.

TRACON controllers provide traffic advisories, safety alerts, vectoring, and separation between all aircraft in Class B airspace.

Correct answer

Question 13

1 / 1 pts

Which is true regarding ATC services?

ATC assumes responsibility for collision avoidance when issuing a traffic advisory.

ATC issues a safety alert if your airplane is in unsafe proximity to terrain, obstructions, or other aircraft.

A clearance to operate in Class B airspace relieves you of the responsibility to maintain VFR weather conditions.

Correct answer

Question 14

1 / 1 pts

You are on a heading of 360° . ATC issues this traffic advisory, "*Traffic 10 O'Clock, 2 miles, southbound.*" Where should you look?

Northwest - between directly ahead and 90° to the left

Northeast - between directly ahead and 90° to the right

Northwest - between directly ahead and 90° to the right

Quiz Score: **11** out of 17

Wrong answer

Question 1

0 / 1 pts

Select the true statement regarding ADS-B system components.

- ☐ ADS-B In transmits line-of-sight signals from aircraft to ATC ground receivers and to aircraft receivers.
- ☒ ADS-B Out transmits line-of-sight signals from aircraft to ATC ground receivers and to aircraft receivers.
- ☐ ADS-B In receives signals from aircraft and displays their lateral position, altitude, and velocity to controllers.

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Question 2

1 / 1 pts

Select the true statement regarding ADS-B services.

- ☐ Regulations require the CDTI to be a dedicated display.
- ☐ An effective range of 250 nautical miles enhances traffic conflict detection and resolution.
- ☒ ADS-B provides data to ATC that immediately indicates when an aircraft deviates from its assigned flight path.

Correct answer

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Some limitations of radar include: bending of radar waves, which results in ground clutter; reflection of waves by dense objects, such as heavy clouds, precipitation, ground obstacles, or mountains, which can weaken or eliminate the display of targets at a greater range; and screening by high terrain, which obstructs relatively low-altitude aircraft.

- ☒ True
- ☐ False

Wrong answer

Question 4





Which is true about transponder modes?

-  ☐ Mode S provides two-way data link capability and enables ADS-B.
- ☐ Mode A provides 4,096 available codes and transmits your airplane's altitude.
-  ☒ Mode C transmits your airplane's altitude and provides two-way data link capability.

Correct answer

Question 5


Match the correct transponder codes.

- | | |
|---|--------|
|  VFR | 1200 ▼ |
|  Hijacking | 7500 ▼ |
|  two-way radio communication failure | 7600 ▼ |
|  Emergency | 7700 ▼ |

Correct answer

Question 6



True/False: After landing and when clear of the active runway, you should set the transponder to STBY or OFF.

- ☐ True
-  ☒ False

Wrong answer

Question 7


When should you press IDENT on the transponder?

- ☒  Its used to test the transponder after starting the aircraft.
- ☐  When ATC asks you to "ident".
- ☐ When you want to get ATC's attention.

Correct answer

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Which services does FSS provide?

- ☒  Weather briefings, NOTAMs, and flight plan filing at 1-800-WX-BRIEF or 1800wxbrief.com
- ☐ Weather briefings, NOTAMs, and flight plan filing at 1-800-FLT-SERV or 1800fltserve.com
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