

Correct answer

Question 1

3 / 3 pts

What are the three basic ingredients needed for the formation of a thunderstorm

☒ unstable conditions

☐ rain

☒ a lifting force

☐ dry air

☒ high moisture levels

Select all that apply. What causes the thunderstorm's anvil to form. Also, what can it tell you about the thunderstorm's movement?

☐ Unstable air

☒ Moves in direction of anvil

☐ Moves in opposite direction of anvil

☐ Surface winds

☒ Upper-level winds

☐ Lifting force

Correct answer

Question 3

3

What general procedures you should use when encountering turbulence in flight?

☐ Maintain level altitude

☒ Accept variations in altitude

☐ Speed up to avoid stalling

☒ Slow to maneuvering speed

☒ Maintain level flight attitude

Correct answer

Question 4

True/False. Cumulus clouds indicate the presence of mechanical turbulence

☐ True

☒ False

Correct answer

Question 5

What is the most dangerous condition for landing with respect to wingtip vortices

☐ headwind

☐ cross wind

☐ quartering headwind

☒ light quartering tailwind

Correct answer

Question 6

What technique should be used to avoid wake turbulence during takeoff behind a large aircraft?

- ☐ Climb on the flight path of the preceding aircraft
- ☒ Climb above the flight path of the preceding aircraft
- ☐ Climb below the flight path of the preceding aircraft

Correct answer

Question 7

What kind of turbulence is indicated by the presence of rotor, cap, and lenticular clouds?

- ☐ thunderstorm
- ☒ Mountain wave turbulence
- ☐ microburst
- ☐ temperature inversion

Question 8

4 / 4 pts

Select all inflight visual indications of possible wind shear

☐ a gloomy sky

☒ dust ring

☒ microbursts

☒ virga

☐ fast moving clouds

☒ thunderstorm clouds

Correct answer

Question 9

3 / 3 pts

Match the following types of structural icing with its characteristic

☒ Clear

Develops in an area of large st ▼

☒ Rime

Normally is encountered in str ▼

☒ Mixed

Occurs in temperatures betwe ▼

Clear - Develops in an area of large super cooled water droplets

Rime- Normally is encountered in stratus clouds

Mixed- Occurs in temperatures between -10 C. and -15 C.

Correct answer

Question 10

What is the recommended course of action if you inadvertently enter a volcanic ash cloud?

- ☒ Reverse Course
- ☐ Continue straight ahead to exit on the opposite side
- ☐ Attempt to climb up and out of the cloud