Stage 2 Exam

Pre-Solo Written

Circle the most correct answer choice.

- **1.** If the outside air temperature (OAT) at a given altitude is warmer than standard, the density altitude is
 - A —equal to pressure altitude.
 - B—lower than pressure altitude.
 - C —higher than pressure altitude.
- **2.** Which combination of atmospheric conditions will reduce aircraft takeoff and climb performance?
 - A —Low temperature, low relative humidity, and low density altitude.
 - B High temperature, low relative humidity, and low density altitude.
 - C —High temperature, high relative humidity, and high density altitude.
- **3.** If the temperature/dew point spread is small and decreasing, and the temperature is 62°F, what type of weather is most likely to develop?
 - A —Freezing precipitation.
 - B Thunderstorms.
 - C —Fog or low clouds.
- **4.** Which type of weather briefing should a pilot request, when departing within the hour, if no preliminary weather information has been received?
 - A An outlook briefing.
 - B—An abbreviated briefing.
 - C A standard briefing.
- **5.** What conditions are necessary for the formation of thunderstorms?
 - A High humidity, lifting force, and unstable conditions.
 - B High humidity, high temperature, and cumulus clouds.
 - C —Lifting force, moist air, and extensive cloud cover.

Name:	
Grade:	Date:
Instructor:	

- **6.** When telephoning a weather briefing facility for preflight weather information, pilots should state
 - A —the full name and address of the pilot-incommand.
 - B —the intended route, destination, and type of aircraft.
 - C—the radio frequencies to be used.
- **7.** Who is responsible for making the go-no go decision for each flight?
 - A —Pilot-in-command.
 - B —Certified flight instructor.
 - C Chief flight instructor.
- **8.** What information is necessary in order to make a go-no go decision?
 - A —Permission from the chief flight instructor, chief mechanic, and weather briefer.
 - B Acceptable weather conditions, an airworthy aircraft, and an airworthy pilot.
 - C —Permission from the weather briefer, an airworthy aircraft, and an airworthy pilot.
- **9.** Two-way radio communication must be established with the Air Traffic Control facility having jurisdiction over the area prior to entering which class airspace?
 - A -- Class C.
 - B —Class E.
 - C Class G.
- **10.** Unless otherwise authorized, two-way radio communications with Air Traffic Control are required for landings and takeoffs
 - A —at all tower controlled airports within Class D airspace only when weather conditions are less than VFR.
 - B —at all tower controlled airports regardless of weather conditions.
 - C —at all tower controlled airports only when weather conditions are less than VFR.

- **11.** Which is the correct traffic pattern departure procedure to use at a noncontrolled airport?
 - A —Comply with any FAA traffic pattern established for the airport.
 - B Depart in any direction consistent with safety, after crossing the airport boundary.
 - C -Make all turns to the left.
- **12.** An airport's rotating beacon operated during daylight hours indicates
 - A that weather at the airport located in Class D airspace is below basic VFR weather minimums.
 - B —there are obstructions on the airport.
 - C —the Air Traffic Control tower is not in operation.
- 13. The official source of sunrise and sunset times is
 - A the Aeronautical Information Manual.
 - B—the American Air Almanac.
 - C —the Federal Aviation Regulations.
- **14.** An aircraft departs an airport in the Eastern Daylight Time Zone at 0945 EDT for a 2-hour flight to an airport located in the Central Daylight Time Zone. The landing should be at what coordinated universal time?
 - A 1345Z.
 - B-1445Z.
 - C 1545Z
- **15.** In order to comply with Private Practical Test Standards, students must perform Turns Around a Point and S-turns
 - A —at traffic pattern altitude, while maintaining altitude ±100 feet, and airspeed ±10 knots, while maintaining coordination.
 - B —between 600 and 1,000 feet AGL, while maintaining altitude ±100 feet, and airspeed ±10 knots, while maintaining coordination.
 - C —at traffic pattern altitude, while maintaining altitude ±100 feet, and heading ±10 degrees, while maintaining coordination.

- **16.** In order to comply with Private Practical Test Standards, the student must perform Rectangular Course
 - A —between 600 and 1,000 feet AGL, while maintaining altitude ±100 feet, and airspeed ±10 knots, while maintaining coordination.
 - B between 600 and 1,000 feet AGL, entering 45° to the downwind, while maintaining coordination.
 - C —at traffic pattern altitude, while maintaining altitude ±100 feet, and airspeed ±10 knots, while maintaining coordination.
- **17.** In headwind conditions, the groundspeed will the airspeed.
 - A -exceed
 - B —be less than
 - C —be the same as
- 18. To maintain a desired track over the ground, apply
 - A —a wind correction angle into the wind.
 - B —a wind correction angle out of the wind.
 - C —power and a steeper bank angle.
- **19.** The numbers 9 and 27 on a runway indicate that the runway is oriented approximately
 - A -009° and 027° true.
 - B -090° and 270° true.
 - C -090° and 270° magnetic.
- **20.** If two-way communication fails at an airport with a tower and cannot be restored, the recommended procedure is to
 - A —make an off-airport landing.
 - B—turn on your landing light, enter the airport area on final approach, and land as soon as possible.
 - C —observe traffic flow, enter the traffic pattern on the downwind, look for light signals from the tower, and squawk 7600 on your transponder.
- **21.** In an in-flight emergency requiring emergency action, the pilot-in-command
 - A —may deviate from any rule of 14 CFR Part 91 to the extent required to meet that emergency.
 - B —must not deviate from any rule of 14 CFR Part 91.
 - C —may deviate from any rule of 14 CFR Part 91 but only after receiving prior permission from ATC.

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Speed Definition	n / = - algaritica
21. List the airspeeds and their definitions, for the training	ing aircraft to be used for solo flight; explain the term
OT List the simmed and their deficitions for the test of	the ten
C —24 hours.	
B — 12 hours.	
A —8 hours.	
consumed by that person within the preceding	
civil aircraft if alcoholic beverages have been	
26. A person may not act as a crewmember of a	
,	In the practice area
C—1, and 67.	
B —91, and 121.	Downwind, in the traffic pattern
A —61, and 91.	D
information, rules, and regulations in Parts	
25. Student pilots are responsible for all	50 feet after takeoff
FAR/AIM.	
C — CFI solo endorsement, and copy of the	Immediately after takeoff
certificate.	30. What actions will you take for an engine failur
B —pilot certificate, photo ID, and medical	20 What actions will you take for an angine failure
A —pilot certificate and logbook.	Alternating red and green
possession a	Flashing white
and you are required to have in your personal	Flashing red
24. When you fly solo, you are pilot-in-command,	Steady red
r - r	Flashing green
C —perpendicular to the wind.	Steady green
A — with the wind. B — into the wind.	in flight on the groun
A —with the wind.	signals mean?
	29. What do each of the following ATC light
should take place	
23. Normal and crosswind takeoffs and landings	Oil
C —with a descent. 23. Normal and crosswind takeoffs and landings	Fuel
B —to the right. C —with a descent. 23. Normal and crosswind takeoffs and landings	
C —with a descent. 23. Normal and crosswind takeoffs and landings	Grade Capacity
B —to the right. C —with a descent. 23. Normal and crosswind takeoffs and landings	be used in the training aircraft used for solo flight: Grade Capacity