

Cessna Private Pilot Course
Quiz 3: Cross-Country

1. V_{NO} is defined as the
 - A. normal operating range.
 - B. never-exceed speed.
 - C. maximum structural cruising speed.
2. What is an important airspeed limitation that is not color coded on airspeed indicators?
 - A. Never-exceed speed.
 - B. Maximum structural cruising speed.
 - C. Maneuvering speed.
3. An airplane has been loaded in such a manner that the CG is located aft of the aft CG limit. One undesirable flight characteristic a pilot might experience with this airplane would be
 - A. a longer takeoff run.
 - B. difficulty in recovering from a stalled condition.
 - C. stalling at higher-than-normal airspeed.
4. 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.
5. What effect does high density altitude have on aircraft performance?
 - A. It increases engine performance.
 - B. It reduces climb performance.
 - C. It increases takeoff performance.
6. **(Refer to figure 8.)** Determine the pressure altitude at an airport that is 3,563 feet MSL with an altimeter setting of 29.96.
 - A. 3,527 feet MSL.
 - B. 3,556 feet MSL.
 - C. 3,639 feet MSL.
7. What effect, if any, does high humidity have on aircraft performance?
 - A. It increases performance.
 - B. It decreases performance.
 - C. It has no effect on performance.
8. **(Refer to figure 24.)** While en route on Victor 185, a flight crosses the 248° radial of Allendale VOR at 0951 and then crosses the 216° radial of Allendale VOR at 1000. What is the estimated time of arrival at Savannah VORTAC?
 - A. 1023.
 - B. 1028.
 - C. 1036.
9. **(Refer to figure 29, illustration 3.)** The VOR receiver has the indications shown. What is the aircraft's position relative to the station?
 - A. East.
 - B. Southeast.
 - C. West.

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10. When the course deviation indicator (CDI) needle is centered during an omnireceiver check using a VOR test signal (VOT), the omnibearing selector (OBS) and the TO/FROM indicator should read
- 180° FROM, only if the pilot is due north of the VOT.
 - 0° TO or 180° FROM, regardless of the pilot's position from the VOT.
 - 0° FROM or 180° TO, regardless of the pilot's position from the VOT.
11. When flying HAWK N666CB, the proper phraseology for initial contact with McAlester AFSS is
- "MC ALESTER RADIO, HAWK SIX SIX SIX CHARLIE BRAVO, RECEIVING ARDMORE VORTAC, OVER."
 - "MC ALESTER STATION, HAWK SIX SIX SIX CEE BEE, RECEIVING ARDMORE VORTAC, OVER."
 - "MC ALESTER FLIGHT SERVICE STATION, HAWK NOVEMBER SIX CHARLIE BRAVO, RECEIVING ARDMORE VORTAC, OVER."
12. (Refer to figure 23, area 2 and legend 1.) For information about the parachute jumping and glider operations at Silverwood Airport, refer to
- notes on the border of the chart.
 - the Airport/Facility Directory.
 - the Notices to Airmen (NOTAM) publication.
13. Which items are included in the empty weight of an aircraft?
- Unusable fuel and undrainable oil.
 - Only the airframe, powerplant, and optional equipment.
 - Full fuel tanks and engine oil to capacity.
14. An aircraft is loaded 110 pounds over maximum certificated gross weight. If fuel (gasoline) is drained to bring the aircraft weight within limits, how much fuel should be drained?
- 15.7 gallons.
 - 16.2 gallons.
 - 18.4 gallons.
15. **GIVEN:**
- | | WEIGHT | ARM | MOMENT |
|---------------------------------|---------------|------------|---------------|
| Empty weight | 1,495.0 | 101.4 | 151,593.0 |
| Pilot and passengers | 380.0 | 64.0 | ----- |
| Fuel (30 gal usable no reserve) | ----- | 96.0 | ----- |
- The CG is located how far aft of datum?
- CG 92.44.
 - CG 94.01.
 - CG 119.8.
16. (Refer to figure 36.) What fuel flow should a pilot expect at 11,000 feet on a standard day with 65 percent maximum continuous power?
- 10.6 gallons per hour.
 - 11.2 gallons per hour.
 - 11.8 gallons per hour.
17. (Refer to figure 37.) What is the crosswind component for a landing on Runway 18 if the tower reports the wind as 220° at 30 knots?
- 19 knots.
 - 23 knots.
 - 30 knots.

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18. **(Refer to figure 39.)** Determine the approximate landing ground roll distance.
- Pressure altitudeSea level
Headwind4 kts
TemperatureStd
- A. 356 feet.
B. 401 feet.
C. 490 feet.
19. FAA advisory circulars (some free, others at cost) are available to all pilots and are obtained by
- A. distribution from the nearest FAA district office.
B. ordering those desired from the Government Printing Office.
C. subscribing to the Federal Register.
20. FAA advisory circulars containing subject matter specifically related to Airmen are issued under which subject number?
- A. 60.
B. 70.
C. 90.