WCFC C-152 Quiz

Review before : 2025-10-13

Quiz ID : **16281**

Instructor :		Date :
Pilot :	Member # :	Score :

Instructor : Please note the final score (subtract 3.0 points from 100 for each wrong answer) on the checkout form and file the quiz in the Pilot Records folder.

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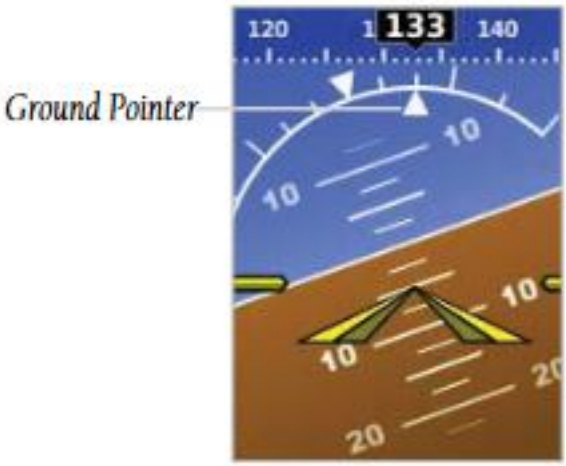
1 : This Garmin G5, configured as an attitude indicator, indicates that the airplane is ...



A : banked 20 degrees left

B : banked 20 degrees right

C : climbing

D : descending

2 : What is the rated horsepower of the engine in the WCFC 152 aircraft?

A : 98 BHP at 2550 RPM.

B : 100 BHP at 2550 RPM.

C : 108 BHP at 2550 RPM

D : 110 BHP at 2550 RPM.

3 : What are the total fuel capacity and the useable fuel capacity for the WCFC C152s?

A : 26 gallons, 24 gallons useable.

B : 26 gallons, 24.5 gallons useable.

C : 39 gallons, 38 gallons useable.

D : 39 gallons, 37.5 gallons useable.

4 : The maximum certified weight(s) for the WCFC C-152s are:

A : Ramp 1675; takeoff 1670; landing 1670.

B : Ramp 1680; takeoff 1670; landing 1670.

C : Ramp 1680; takeoff 1675: landing 1675.

D : Ramp 1675; takeoff 1675; landing 1670.

5 : The maximum demonstrated crosswind velocity for the C-152 is:

A : 12 knots.

B : 14 knots.

C : 15 knots.

D : 17 knots.

6 : Which of the following is the proper fuel for the C-152 (with no STC)?

A : 100

B : 100LL

C : Automotive low-lead

D : Both a and b

7 : Cessna recommends filling the oil to how many quarts for flights of fewer than three hours?

A : 7 quarts

B : 6 quarts

C : 4 quarts

D : 5 quarts

8 : Which engine is installed in the Cessna 152?

A : Lycoming O-235-N2C.

B : Lycoming O-235-L2C

C : Lycoming OI-235-N2C.

D : Lycoming OI-235-L2C.

9 : The type of oil normally (after initial break in of a new engine or cylinder) used in the C-152 is:

A : High quality automotive multi-grade high detergent type.

B : SAE rated SE (Severe Environment) type multi-viscosity.

C : Aviation grade ashless dispersant (AD) of appropriate viscosity.

D : Aviation grade "mineral" engine oil.

10 : What is the best glide speed and flap configuration for the C-152?

A : 55 KIAS and flaps up..

B : 55 KIAS and flaps at 10 degrees.

C : 60 KIAS and flaps up.

D : 60 KIAS and flaps at 10 degrees.

11 : The engine operation and performance is monitored by an oil pressure gauge, an oil temperature gauge, and a tachometer. The reading of the oil pressure gauge is determined by what means?

A : voltage from a sensor conveyed to the gauge by a wire through the firewall

B : a direct pressure oil line from the engine to the gauge

C : a sensor in the oil filter

D : A capacitance reading from the oil sump

12 : According to WCFC Standard Operating Procedures and WCFC checklists, which of the following approach and landing speed combinations is recommended by the WCFC?

A : Normal -- flaps 20; airspeed 65 KIAS.

B : Short Field -- flaps 20; airspeed 54 KIAS.

C : Soft Field -- flaps 30; airspeed 75 KIAS.

D : Normal, short field, and soft field techniques are all correct.

13 : Which of the following statements concerning the fuel system is ***false?***

A : Fuel flows by gravity from two wing tanks to a fuel shutoff valve.

B : Fuel pressure increases when the selector is on either tank.

C : Fuel system venting is essential to system operation.

D : Fuel quantity is measured by two float-type fuel quantity transmitters.

14 : The C-152 electrical system is a:

A : 12 volt, direct current system with a 24 volt battery.

B : 12 volt, direct current system with a 12 volt battery.

C : 16 volt direct current system with a 24 volt battery.

D : 28 volt direct current system with a 24 volt battery.

15 : The manual priming system draws fuel from the fuel strainer and injects it where?

A : into the carburetor

B : into the fuel pump

C : into the intake manifold

D : into the cylinder intake ports

E : into the magnetos

16 : What is the maximum recommended turbulent air penetration speed for the C-152?

A : All weights 104 KIAS.

B : All weights 104 KCAS.

C : 1670 lbs, 104 KCAS; 1500 lbs, 98 KCAS; 1350 lbs. 93 KCAS

D : 1670 lbs, 104 KIAS; 1500 lbs, 98 KIAS; 1350 lbs. 93 KIAS.

17 : Assuming a forward center of gravity and flaps retracted, what are the two stall speeds for a C-152 under the fol1owing conditions?

- 0 degrees of bank and 60 degrees of bank

A : 36 KIAS and 51 KIAS.

B : 40 KIAS and 57 KIAS.

C : 35 KIAS and 49 KIAS.

D : 48 KIAS and 68 KIAS.

18 : In club operation of our C152 airplanes, when should you lean the fuel mixture according to the manufacturer?

A : During all operations at any altitude when operating at 75% or less power.

B : Only when absolutely necessary it may foul the plugs.

C : Only when established in cruise flight above 5000 feet.

D : Only at high altitude airports.

19 : The wing loading and the power loading of the C152 are:

A : determined by speed

B : 1675 and 1670

C : 10.2 and 15.5

D : 10.5 and 15.2

20 : Maneuvering speed for the C-152 is:

A : 104 KIAS at 1670 pounds

B : 98 KIAS at 1500 pounds

C : 93 KIAS at 1350 pounds

D : 96 KCAS at 1500 pounds

E : All of the above

21 : In the C-l52, the stall warning horn sounds at what speed?

A : At the bottom of the green arc on the airspeed indicator

B : At the bottom of the white arc on the airspeed indicator

C : At 0 to 5 knots before the stall.

D : At 5 to 10 knots before the aerodynamic stall

22 : Spin recovery procedures in a C-152 are:

A : Ailerons neutral, throttle , apply and hold full rudder in the direction of rotation, control wheel briskly forward, hold until rotation stops, smoothly recover from the resulting dive.

B : Ailerons neutral, full throttle, apply and hold full rudder opposite to rotation, control wheel briskly forward, hold until rotation stops, smoothly recover from the resulting dive.

C : Ailerons neutral, throttle idle, apply and hold full rudder opposite to rotation, control wheel briskly forward, hold until rotation stops, smoothly recover from the resulting dive.

D : Ailerons neutral, throttle idle, apply and hold full rudder opposite to rotation, hold until rotation stops, smoothly recover from the resulting dive.

23 : After starting the engine, oil pressure:

A : Will register immediately.

B : Should begin to register within 90 seconds.

C : Must register within 30 seconds in the summer and 60 seconds in the winter.

D : Must register within 60 seconds in the summer and 90 seconds in the winter.

24 : This G5 is configured with a ...

A : sky pointer

B : ground pointer

25 : What would indicate the presence of carburetor ice in flight?

A : A sudden increase in oil pressure.

B : An immediate complete loss of engine power.

C : A gradual loss of RPM.

D : A gradual increase in oil pressure.

26 : Which set of procedures are the proper procedures in the proper order for a balked landing (go around) in the C152?

A : Throttle -- full; Carburetor heat -- off; Flaps -- retract to 20 degrees; Speed -- 55 KIAS; Flaps -- Retract slowly

B : Carburetor heat -- off; Throttle -- full; Flaps -- lower to 20 degrees; Speed -- 55 KIAS; Flaps -- Retract slowly

C : Throttle -- full; Carburetor heat -- off; Speed -- 55 KIAS; Flaps -- retract to 10 degrees; Flaps -- Retract slowly

D : Throttle -- full; Flaps -- lower to 20 degrees; Carburetor heat -- off; Speed -- 55 KIAS; Flaps -- Retract slowly

27 : In a C-152, the ammeter and low voltage warning light may indicate electrical power system problems. The ammeter may show a slight charge after engine start if the battery has been partially discharged by extended cranking of the starter or other electrical draw. If, however, the ammeter continues to show a significant charge (more than two needle widths) during flight, what might this indicate and what pilot action is recommended?

A : Turn off the alternator switch, reduce the electrical load to preserve battery power, and land as soon as practical.

B : Ignore it. Breakers have been built into the system for shorts. It usually indicates just that items such as the landing light are on increasing electrical demand.

C : Attempt to recycle the over-voltage relay by turning off the radios, and then recycling the master switch.

D : Turn the master switch to off and land immediately.

28 : Using the fuel reserve of the WCFC SOP requirements for certificated pilots (not student pilot) what is the approximate maximum range you can fly a Club C-152 under the given conditions?

- Wind calm
- Fuel full at start
- Temperature standard
- Altitude 6000 feet
- Power 60%

A : 190 nm.

B : 260 nm.

C : 330 nm.

D : 400 nm.

29 : What is the approximate ground roll/takeoff distance over a 50 ft obstacle given the following? (Choose the nearest answer. Due to rounding variations, your calculations may differ by a few feet.)

- Aircraft weight 1670 lbs
- Temperature 30 degrees Celsius
- Pressure Altitude 1000 feet
- Wind speed 23010
- Runway number 22
- Runway surface Grass

A : 810/1495 feet..
B : 1013/1768 feet
C : 911/1584 feet
D : 911/1891 feet

30 : Given the following data, is the C-152 aircraft within maximum takeoff and landing weight and moment limits?

Item	Weight (lbs)	Moment (in-lbs)
Basic Empty Weight 4640B	1168.4	35,578.0
Fuel Full tanks	_	_
Pilot	190.0	_
Passenger	150.0	_
Baggage Area I	15	_
Baggage Area 2	4	_

Use the data in the table above to calculate the aircraft's W&B.

A : Weight within limits, moment within limits.
B : Weight within limits; moment outside of limits.
C : Weight outside limits; moment within limits.
D : Weight outside limits; moment outside limits.