USAF Academy Flight Training Center

Cessna 172 Aircraft Exam September 2022

Instructions

Complete the following exam using the answer sheet provided. Do not assume information not specifically provided in the questions. You will need the Cessna 172 K, M, N, P, model Information Manuals and the Supplemental Type Certificate for Cessna 172 M and K models. Questions 1 - 25 are open book. The closed book exam (emergency procedures) will be on a separate answer sheet.

	eneral
1.	C-172K and M models with standard fuel tanks can hold gallons of fuel.
	Total usable fuel is gallons. Long-range tanks for these models can hold
	gallons with a total usable fuel of gallons.
	a. 43, 40 and 52, 50
	b. 42, 38 and 52, 48
	c. 42, 38 and 54, 50
2	d. 42, 40 and 52, 54
2.	C-172N and P models with standard fuel tanks can hold gallons of fuel.
	Total usable fuel is gallons. Long-range tanks for these models can hold
	gallons with a total usable fuel of gallons.
	a. 42, 40 and 54, 50
	b. 43, 40 and 52, 48
	c. 43, 40 and 54, 50
	d. 42, 44 and 54, 52
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II.	Limitations 5. The maximum flap extended speed (Vfe) for the C-172 M, N,& P is and K is
	a. 85 kts / 100 kts b. 85 kts / 100 mph c. 85 mph / 100 mph
	d. 90 kts / 105 mph 6. The maximum flap extended speed (Vfe) with flaps 10° - 30° for the C-172P is
	kts.
	a. 110 b. 85 c. 95
	d. 100
	7. Never Exceed Speed (Vne) in the C-172 N is kts, in the C-172P is
	kts.
	a. 128 / 158 b. 160 / 158
	c. 160 / 127 d. 155 / 125
	8. Maximum Structural Cruising Speed (Vno) in the C-172K is mph, in the
	C-172P is kts.
	a. 128 / 158
	b. 140 / 127
	c. 160 / 127
	d. 155 / 125
	9. The demonstrated crosswind limit in C-172 aircraft is kts.
	a. 10
	b. 15
	c. 18 d. 20
III.	Normal Procedures
	10. After starting the engine, the oil gage should show pressure within
	seconds in the summer and within seconds in very cold weather.
	a. 30 / 45
	b. 30 / 60
	c. 30/30
	d. 60/90
	11. The mixture in the C-172M/N/P should be leaned prior to takeoff from
	fields above feet elevation. The C-172K mixture should be leaned at
	fields above feet elevation.
	a. 7500 / 6000
	b. 6500 / 5500
	c. 3000 / 5000
	d. 2500 / 8500

12. In balked landing (go-around) climb, reduce the flap setting to
immediately after full power is applied.
a. 0°
b. 20°
c. 30°
d. 10°
13. Flap settings greater than are not approved for takeoff (except C-172 K).
a. 10°
b. 20°
c. 30°
d. 40°
14. The stall warning horn sounds kts above the stall in all configurations
(except C-172 K).
a. 5 – 10
b. 0 – 5
c. 5 – 7
d. 8
15. If you enter a spin, the following recovery should be used:
1) throttle – idle, ailerons – neutral
2) apply and hold full rudder opposite to the direction of rotation
3) Just after the rudder reaches the stop, move the control wheel briskly
forward far enough to brake the stall
4) Hold these control inputs until rotation stops
5) As rotation stops, neutralize rudder, and make a smooth recovery from
the resulting dive.
a. True
b. False
16. The best glide speed in the C-172M, N, or P is knots and for the C-172K
is mph.
a. 70 / 82
b. 65 / 80
c. 60 / 69 d. 60 / 75
IV. Performance
17. The true airspeed (TAS) in Colorado is always than the indicated
airspeed (IAS).
a. Lower
b. Higher
D. Higher
c. No different
c. No different 18. To climb from the academy airfield to 9,500 feet MSL in a C-172 P would
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c. No different 18. To climb from the academy airfield to 9,500 feet MSL in a C-172 P would take minutes, with gallons of fuel used, and distance of NM traveled. Note: Don't add fuel for taxi. a. 10 / 1.5 / 11
c. No different 18. To climb from the academy airfield to 9,500 feet MSL in a C-172 P would take minutes, with gallons of fuel used, and distance of NM traveled. Note: Don't add fuel for taxi. a. 10 / 1.5 / 11 b. 9.5 / 1.5 / 13
c. No different 18. To climb from the academy airfield to 9,500 feet MSL in a C-172 P would take minutes, with gallons of fuel used, and distance of NM traveled. Note: Don't add fuel for taxi. a. 10 / 1.5 / 11

V. Airplane Systems
19. The engine in the C-172 has spark plug(s) in each cylinder and
engine driven magneto(s).
a. 1, 1
b. 1, 2
c. 2, 2
d. 2, 1
20. Fuel flows by from the two wing tanks to a four-position selector valve
in the C-172K/M/N/P.
a. Gravity
b. an electric pump
c. a hydraulic pump d. an aneroid mixture valve
21. The C172 braking system has a single-disc, hydraulically-actuated brake on
each main landing gear wheel. Each brake is connected by a hydraulic line to
a master cylinder attached to each of the pilot's rudder pedals.
a. True
b. False
22. The C-172P model with:
Standard fuel tanks can hold U.S. gallons of fuel,
Extended range fuel tanks hold U.S. gallons.
Total standard unusable fuel is U.S. gallons,
Total extended unusable fuel is U.S. gallons.
a. 53, 43, 4, 3
b. 43, 54, 3, 4
c. 54, 44, 2, 3
d. 43, 50, 4, 3
23. There are points from which to drain fuel during the C-172P preflight.
a. 5
b. 8
c. 3
d. 15
24. The fuel shutoff valve is located in the C-172P.
a. on the floor between the pilots seats
b. above and to the right of the fuel selector control
c. below the primer
d. under the pilot's/left seat
25. What is the oil capacity of the C-172M model? a. 8
a. 8 b. 10
c. 6
d. 7
u. /