

AIRMAN AIRCRAFT CHECKOUT EXAMINATION

PILOT'S NAME:	DATE:/
MAKE AND MODEL AIRCRAFT:	
ENGINE (1) Manufacturer and type:	Horsepower:
(2) Normal start procedure:	
(3) Hot start procedure:	
(4) If the airplane has a controllable pitch propeller, what does it	do if the engine loses oil pressure?
ENGINE POWER SETTINGS (5) Run-up:	Takeoff:
Maximum continuous: Climb:	
Cruise, 75% power, 2,000 feet, standard temperature:	
Cruise, 75% power, 7,000 feet, standard temperature:	
OIL (6) Grade: wt. Maximum quantity: qts. Min	
FUEL (7) Grade: Color:	Number of fuel tanks:
Total fuel capacity: gal. Useable: gal. Quantity	if tanks have tab: gal.
(8) Location of fuel drains:	
(9) Location of tank vents:	
(10) Describe fuel exetems	

WEIGHTS (11) Maximum gross takeoff: lbs. Maximum gross landing: lbs.	
Empty: lbs. Useful load: lbs. C.G. Range: ii	٦.
If multiengine, maximum zero fuel weight: lbs.	
$V_{no}\underline{\hspace{1cm}} kts. V_{ne}\underline{\hspace{1cm}} kts. V_{s1}\underline{\hspace{1cm}} kts. V_{so}\underline{\hspace{1cm}} kts.$	
Best glide kts. V _{fe} kts.	
(13) Final approach: Flaps up kts. Flaps full down kts. Short field kts.	
If airplane has retractable gear: V_{loe} kts. V_{lor} kts. V_{le} kts.	
If multiengine airplane: V_{xse} kts. V_{yse} kts. V_{mc} kts.	
TURBOCHARGED ENGINES ONLY (15) Describe the turbocharger system:	
(16) What are the indications of an overboost?	
What is the critical density altitude? ft.	
RETRACTABLE LANDING GEAR ONLY (17) Describe the system and how it operates:	
(18) Describe the gear unsafe indications:	
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(19) Where are the squat switches located and what is their function?	
(20) Describe the emergency gear extension procedure:	
ELECTRICAL SYSTEM (21) Describe the system:	
(22) Describe the indication of a malfunctioning alternator and the reactivation procedure:	
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(23) Battery location:	
CARBURETOR ICING (24) Describe all indications:	
STATIC AIR SYSTEM (25) Location of normal static ports:	
(26) Location of alternate static source:	
(27) Altimeter error when using the alternate static source:	
IYDRAULIC SYSTEM (28) Describe the system:	

(29) Reservoir location:
EMERGENCY LOCATOR TRANSMITTER (ELT) (30) Control panel is located:
COMPUTATIONS
TAKEOFF PERFORMANCE Airplane is at maximum gross weight; airport elevation is 1,000 feet msl. wind and the temperature is 10 degrees above the standard Celsius temperature.
(31) Compute the following takeoff information: Ground roll is feet, total distance to clear a 5
foot obstacle is feet, and the rate of climb is feet per minute.
If multiengine, the accelerate-stop distance for this takeoff is feet.
CLIMB AND EN ROUTE PERFORMANCE You are departing from the airport used in the last problem to cruise at 7,500 feet msl using 75% power. The temperature at 7,500 feet is 10 degrees above standard
(32) Compute the following climb information: Time minutes, fuel gallons, and
miles to reach cruise altitude.
(33) Compute the following cruise information: The power setting will be, and this
will yield a speed of KTAS and a fuel burn of GPH.
LANDING PERFORMANCE You are 200 pounds below the maximum allowable landing gross weight tion is 3,000 feet msl. You plan a full flap landing with a 10 knot headwind component, and the tempera grees above standard.
(34) Compute the following landing information: Ground roll is feet, and total distance to clear
a 50-foot obstacle is feet.
WEIGHT AND BALANCE COMPUTATION All seats are full. The pilot weighs 200 pounds, copilot 150 each remaining passenger 120 pounds. There is 100 pounds of baggage.
(35) Compute the following information:
How much fuel you can carry and still remain within the allowable gross weight? gallons
Is the airplane within its C.G. limits with this fuel load?
What is the actual C.G. location? inches.
INSTRUCTORS Make a copy of this exam, give the original to the pilot, and attach the copy to the airc sheet.
Exam reviewed by
(initial and print last name)