

Cessna 172

POH knowledge test

Student name: _____

Date: _____

- Engine power Lycoming O-320-H2AD:
- Maximum luggage weight in 1+2 compartment :
- Total fuel capacity for standard and Long Range tanks :
- Unusable fuel :
- Oil sump capacity :
- Cruise fuel consumption at 2000 ft, 75% power :
- Endurance at 2000 ft, 75% power :
- RPM Normal Operating Range :
- Oil temperature normal operating range :
- Maximum oil temperature :
- Oil pressure normal range :
- Vne (Never Exceed Speed) :
- Vno (Maximum Structural Cruising Speed) :
- Vfe (Maximum Flap Extended Speed) :
- Airspeed after 3 traffic circuit turn :
- Airspeed on Final :
- Emergency landing without engine power
 - Glide airspeed flaps UP :
 - Glide airspeed flap DOWN :
- Stall airspeed flap UP 2 300 lbs, level flight, maximum forward CG:
- Stall airspeed flaps 40° 2 300 lbs, level flight, maximum forward CG:

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- Weight and balance calculation
Pilot - 85 kg, front passenger - 85 kg
Rear seat passenger - 85 kg:
Cargo compartment 1 – 10 kg
Take off fuel – 30 US Gallon
Results _____
- Take-off performance calculation to clear 50 ft obstacle
ATOW - 2 300 lbs
Wind - calm
Pressure altitude -1 000 ft
Grass runway
OAT - 15°C
Requested take-off distance _____
- Describe where, and how, the engine run up is performed, indicate the values need to be checked :
- Describe procedures during electrical power supply system malfunction