

Theory Test

INSTRUCTIONS:

- a) Print your name on the answer sheet only. **DO NOT** write on this test booklet.
b) Mark the box corresponding to the answer of your choice on the answer sheet provided⁸.

1. When a small gas engine refuses to start the first check should be:
 - A. Spark plug gap setting
 - B. Crankcase oil level
 - C. Piston clearance
 - D. Level of the fuel in the tank

2. Air cooled engines can be recognized by:
 - A. The cooling fins on the cylinder
 - B. Large radiators
 - C. Smoking exhaust
 - D. Slower operating speeds

3. You have removed the spark plug and it is wet with gasoline and the engine won't start and no other checks have been made then it can be assumed that:
 - A. Flooding is the problem
 - B. A weak spark is the problem
 - C. Either flooding or a weak spark could be the problem
 - D. Neither flooding or a weak spark could be the problem

4. The engine starts readily but runs only a few minutes which would make you suspect the problem to be:
 - A. Poor piston and cylinder lubrication
 - B. The fuel flow from the tank to the carburetor may be slow or irregular
 - C. Spark plug is bridged with carbon
 - D. Weak or discharged condenser

5. Most four stroke small gas engines have a _____ type lubrication.
 - A. Wick
 - B. Splash
 - C. Full flow
 - D. Variable displacement oil pump

6. Fuels stored for a long period of time in the carburetor may contain:
 - A. Excess gum and varnish
 - B. Excess hydrocarbons
 - C. Excess lead
 - D. Calcium chloride

7. The lawnmower engine vibrates excessively while running and the cause may be:
 - A. Bent crankshaft
 - B. Blade out-of-balance
 - C. Bent blade
 - D. Any of the above

8. You check the ignition system with the ignition tester and there is no spark. The cause may be:
 - A. Sheared flywheel key
 - B. Incorrect point gap
 - C. Grounded stop switch
 - D. Any of the above

9. Which one of the following is **not** a type of manual starter on a small gas engine?
 - A. Rope-wind
 - B. Clutch and ratchet
 - C. Rope-rewind
 - D. Wind-up

10. Weak compression is normally caused from which of the following:
 - A. Worn spark plug
 - B. Worn rings
 - C. Worn breaker points
 - D. Worn connecting rod