

1. Technician A says that safety glasses should be used. Technician B says once the handle is released the blade should stop in three seconds.
 - a. Tech A is correct
 - b. Tech B is correct
 - c. Tech A&B are correct
 - d. Neither Tech A nor B are correct

2. The initial adjustment for the mixture screw is to turn clockwise _____ turns from fully seated.
 - a. 1 1/2
 - b. 2
 - c. 3
 - d. 2 1/2

3. The venture of the carburetor causes a _____.
 - a. swirling effect
 - b. a complete idle circuit
 - c. blockage overcome by fuel pressure
 - d. a pressure differential

4. Ohm's law is _____?
 - a. resistance can only be measured outside of the circuit
 - b. voltage is pressure that overcomes resistance
 - c. voltage equals resistance times amperage
 - d. if voltage goes up resistance goes down, but only if it is AC voltage

5. Maintenance intervals are approximately?
 - a. 2 times a season
 - b. once a year
 - c. every other oil change
 - d. after every five gallons of fuel or once a year

6. A broken flywheel key can cause?
 - a. correct ignition
 - b. incorrect ignition timing
 - c. hard cold starts
 - d. misfires

7. Engine oil is used to _____.
- a. lubricate
 - b. cool
 - c. both a & b
 - d. enhance combustion
8. Overly thin, watery oil indicates what?
- a. over heating
 - b. misfire
 - c. normal condition
 - d. lack of maintenance
9. The piston moves up in what stroke?
- a. intake
 - b. exhaust
 - c. power
 - d. both b & c
10. What is used to test continuity?
- a. volt meter
 - b. amp meter
 - c. inductive pick up/current clamp
 - d. ohmmeter
11. If the ignition timing is too retarded what will happen?
- a. low power output
 - b. overheating
 - c. increase emissions
 - d. all of the above
12. A generation of electricity that alternates between positive pulse and then a negative pulse is called?
- a. AC
 - b. DC
 - c. rectified current
 - d. pulse width modulation
13. The _____ circuit induces a voltage into the _____ circuit.
- a. primary, secondary
 - b. secondary, primary
 - c. ac/dc
 - d. main, secondary

14. A fuel to air ratio of 11.4:1 is _____?

- a. ideal
- b. lean
- c. set at the factory
- d. rich

15. Technician A says that a coil can be used to step up voltage. Technician B says that a coil can be used to step down voltage.

- a. Tech A is correct
- b. Tech B is correct
- c. Both Techs A&B are correct
- d. Neither Tech A nor B is correct

16. Testing a battery can involve _____.

- a. three minute charge test
- b. hydrometer readings
- c. battery load test
- d. all of the above

17. Current only flows when the contact points are _____.

- a. open
- b. shunted
- c. rectified
- d. closed

18. The bowl in the carb requires atmospheric pressure to function properly. This is allowed by _____.

- a. bowl vent
- b. transfer tube
- c. inlet valve
- d. venturi

19. A carburetor is a metering device for mixing fuel and _____.

- a. alcohol
- b. vaporized fuel
- c. air
- d. vacuum

20. During initial inquiries one might ask

- a. how many hours did the unit run before failure?
- b. what type of oil was used?
- c. has the engine been serviced previously and when?
- d. all of the above

21. A carburetor that has been adjusted to lean may cause _____.
- a. blown head gasket
 - b. high oil consumption
 - c. both a & b
 - d. worn throttle shafts
22. Tech A says that the air cleaner is one of the first things one would check when troubleshooting. Tech B says that governors never need to be adjusted.
- a. Tech A is correct
 - b. Tech B is correct
 - c. Both Techs A&B are correct
 - d. Neither Tech A nor B is correct
23. A condenser is also called a _____.
- a. rectifier
 - b. a one way check valve
 - c. capacitor
 - d. both b & c
24. What is used to change AC current to DC current?
- a. a capacitor
 - b. a diode
 - c. a transformer
 - d. both b & c
25. Tech A says that the idle bleed (in a carb) routes air past the choke plate. Tech B says that traditional fuel passage provides at temporary fuel supply to the engine during wide open throttle.
- a. Tech A is correct
 - b. Tech B is correct
 - c. Both Techs A&B are correct
 - d. Neither Tech A nor B is correct



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