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