

10. _____ There are three types of aircraft thrust systems. Select the correct answer.
- reciprocating or piston, propeller, jet
 - reciprocating or piston, turbo-prop, jet
 - reciprocating or piston, turbo-prop, prop-jet
11. Aircraft flaps can be extended to improve _____ at slower air speeds during take-off and landing.
12. _____ On conventional aircraft the wing area will contain:
- most of the spare fuel
 - most of the usable fuel
 - both a and b
13. Landing gear may be _____ or _____.
14. _____ (True or False) The empennage or tail assembly consists of a fixed vertical stabilizer with an attached moveable rudder which helps control the yaw or side to side motion of the aircraft.
15. _____ Tail assemblies which have their horizontal surface located at the top of the tail are referred to as a:
- "V" tail
 - conventional tail
 - "T" tail
16. On an aircraft in the air or on the ground a steady green light identifies the _____ (right/left) wing, a steady red light identifies the _____ (right/left) wing, and a steady white light identifies the end of the _____.

GENERAL SERVICING

17. _____ When an aircraft rotating beacon is illuminated on the ground this is the universal signal for:
- aircraft ready to take-off
 - aircraft shut-down
 - aircraft engines are running or about to be started
18. _____ (True or False) If you see or come upon someone on the ramp who does not have authorization to be there, you should politely inform them to leave, however if the individual will not leave, you should call your supervisor or airport security.
19. FOD is defined as: _____.
20. Aviation gasoline or "Avgas" is used in _____ engine aircraft.
21. Jet (turbine) fuel is used in _____ - _____ and _____ engine aircraft.
22. _____ (True or False) It is not necessary to verify the fuel order of an aircraft and to verify the type of engines each time you fuel an aircraft.
23. List the two categories of engine oil.
- _____
 - _____
24. _____ (True or False) Turbine or synthetic oils are used in turbo-prop and jet engines.
25. The two types of windshields are either _____ or _____.
26. _____ (True or False) When cleaning an aircraft windshield, you must use a cleaning solution specifically designated for that type of windshield.

27. Cleaning a windshield requires that you always clean in the direction of the _____ and never in a _____ motion.

GROUND POWER UNITS (GPU)

28. _____ (True or False) When using a GPU, all aircraft use the same voltage.

29. _____ (True or False) The GPU should never be switched on, off, connected, or disconnected during refueling operations.

30. Identify the correct sequence for the use of a GPU on a aircraft:

- a. _____ 1. Connect GPU power cable plug to aircraft receptable.
- b. _____ 2. Position GPU at aircraft
- c. _____ 3. Turn “off” generator switch
- d. _____ 4. Signal to pilot that GPU is connected
- e. _____ 5. Verify the aircraft’s power requirements
- f. _____ 6. Turn generator switch “on”
- g. _____ 7. Disconnect GPU power cable plug
- h. _____ 8. Signal to pilot that GPU disconnected
- i. _____ 9. Bring GPU to proper operating speed
- j. _____ 10. Select GPU with the correct voltage rating
- k. _____ 11. Provide ground guidance to pilot, return GPU to parking area
- l. _____ 12. Verify generator swich off and correct amperage/voltage set

LAVATORY AND POTABLE WATER SERVICES

31. _____ (True or False) Aircraft lavatory systems are separated into two different types; portable and permanently installed systems.

32. Identify the correct sequence to service a permanently installed lavatory system:

- a. _____ 1. Drain waste from aircraft
- b. _____ 2. Disconnect discharge hose, refill line, clean and secure panel
- c. _____ 3. Drain system of “flush” water
- d. _____ 4. Position service cart at aircraft
- e. _____ 5. Refill system with required amount of “blue” deodorant water
- f. _____ 6. Connect discharge hose and “blue” water refill line
- g. _____ 7. Pump “blue” deodorant water into aircraft to flush system



