Question 1
In a 4-cylinder 4-stroke engine, how many explosions occur in one minute when the engine is running at 2,000 rpm?
   a. 1,000
   b. 2,000
   c. 4,000
   d. 8,000

Question 2
A countersink is
   a. a gauge used to check drill sharpness.
   b. a conical hole that allows a screw head to sit flat with a surface.
   c. a plumbing tool used to check flow through a sink drain.
   d. a specialized masonry drill bit.

Question 3
What is the purpose of welding?
   a. joining
   b. cutting
   c. measuring
   d. fitting

Question 4
When using a lag-shield anchor in concrete, it is necessary to
   a. use a power-actuated tool.
   b. drill a hole first.
   c. set the anchor in wet concrete.
   d. use construction adhesive.

Question 5
If a vehicle loses acceleration
   a. check the fuel
   b. horsepower is declining
   c. torque is declining
   d. press harder on the gas pedal

Question 6
Which list of fasteners is organized from weakest to strongest?
   a. carriage bolt, lag bolt, screw
   b. nail, screw, lag bolt, carriage bolt
   c. screw, nail, lag bolt, carriage bolt
   d. staple, carriage bolt, nail, lag bolt

Question 7
Which tool would you be most likely to use after sawing wood?
   a. wood file
   b. plane
   c. belt sander
   d. wood chisel
Question 8
When sanding wood you should always sand __________
a. with the grain
b. against the grain
c. diagonally to the grain
d. in circles

Question 9
Which of the following tools is used to measure angles?
a. protractor
b. hammer
c. C-clamp
d. tape measure

Question 10
What is the purpose of a 15-degree offset on an open-end wrench?
a. To protect your knuckles.
b. To torque the bolt to the correct tightness.
c. To allow the wrench to grab the nut when working in tight quarters.
d. To allow a hex wrench to fit a square-headed bolt.

Question 11
Which of these tools are likely to be used together?
a. center punch and drill bit
b. Phillips screwdriver and slot screwdriver
c. wood plane and coping saw
d. nail set and center punch

Question 12
Which of the following is NOT a type of chisel?
a. T-square chisel
b. scoop chisel
c. beveled chisel
d. cold chisel

Question 13
In house construction, which of the following would be built first?
a. foundation
b. subflooring
c. framing
d. ceiling

Question 14
When replacing a cylinder head
a. tighten the bolts as much as possible.
b. tighten the bolts in any order, as long as you tighten them with the correct torque.
c. tighten the bolts to the correct torque, in the correct order.
d. use the original bolts.
Question 15
If black soot is accumulating in the tailpipe,
a. the fuel-air mix is collecting in the tailpipe.
b. the positive crankcase ventilator should be replaced.
c. the fuel injectors must be replaced.
d. the catalytic converter is working correctly.

Question 16
If tire pressure gets low, what will happen?
a. The tire will lose its shape and create extra friction, reducing gas mileage and possibly overheating the tire.
b. The tire will not absorb energy from the engine.
c. Vehicle weight will be reduced.
d. The tire will get better traction on the highway.

Question 17
Which of the following describes a naturally occurring force that acts to hold back an object in motion?
a. friction
b. buoyancy
c. pressure
d. density

Question 18
A lock washer is used to
a. prevent vibration from loosening the joint.
b. hold the flat washer in place.
c. prevent anyone from taking the nut off.
d. keep the screw threads clean

Question 19
If engine antifreeze is defective,
a. the engine may overheat.
b. the engine block or cylinder head may crack or warp.
c. the engine may not heat up enough.
d. the heater will stop working.

Question 20
Which of these tools are likely to be used together?
a. center punch and drill bit
b. Phillips screwdriver and slot screwdriver
c. wood plane and coping saw
d. nail set and center punch

Question 21
When sanding drywall, always
a. use a belt sander.
b. start with fine sandpaper.
c. sand with the grain.
d. wear a dust mask.
Question 22
Which of the following would produce a mechanical advantage?
   a. lever
   b. hammer
   c. spring
   d. gear

Question 23
Which is the correct sequence in a four-cycle internal combustion engine?
   a. intake, compression, power, rest
   b. reduction, power, compression, exhaust
   c. intake, compression, power, exhaust
   d. exhaust, compression, intake, power

Question 24
A carpenter's square is used to _________
   a. draw straight lines
   b. measure distances
   c. draw circles
   d. cut wood

Question 25
When brake shoes wear too thin, you are likely to see _________ in the drums.
   a. glazing
   b. scoring
   c. hot spots
   d. rust
ANSWERS: ASVAB Practice Test – Auto & Shop Information

1. C
2. B
3. A
4. B
5. C
6. B
7. B
8. A
9. A
10. A
11. A
12. A
13. A
14. C
15. A
16. A
17. A
18. A
19. B
20. A
21. D
22. A
23. C
24. A
25. B