

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