



ASVAB-SECTION-4^{Q&As}

ASVAB Section Four : Automotive & Shop Information

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**QUESTION 1**

On a woodworking plane, the "frog" refers to the _____.

- A. handle on the rear of the plane
- B. the sliding iron wedge that holds the plane iron at the proper angle
- C. the opening at the bottom of the plane
- D. the lever used to adjust the iron

Correct Answer: B

The frog is the sliding iron wedge that holds the plane iron at the proper angle.

QUESTION 2

Which of the following components prevents a car's battery from being overcharged?

- A. Rotor
- B. Voltage Regulator
- C. Inverter
- D. Governor

Correct Answer: B

The voltage regulator controls the current that is sent to the battery to prevent overcharging.

QUESTION 3

Phineas decided to build a tree house in the tree in his backyard. He had finished making the walls and the roof and the last step was to put in the door, but he was having a difficult time fitting it perfectly onto the door frame. The door sides kept chafing on the door frame.

To fix this, he should _____.

- A. replace the door
- B. use a finishing tool (plane) to fine the sides of the door
- C. make sure the wood material is intended for door purposes
- D. varnish the sides of the door very well

Correct Answer: B

**QUESTION 4**

In order to change a tire, a _____ must be used to lift the bottom of the car.

- A. jack
- B. socket wrench
- C. hoist
- D. boom truck

Correct Answer: A

QUESTION 5

Which of the following is probably NOT a cause of an engine overheating?

- A. Faulty thermostat
- B. Inoperative fan motor
- C. Cracked distributor cap
- D. External coolant leaks

Correct Answer: C

A faulty thermostat, inoperative fan motor and external coolant leaks can all cause an engine to overheat.

QUESTION 6

If the universal joints are broken and the car is standing still, the car will _____.

- A. not move when the engine is revved up
- B. increase in speed
- C. work as usual
- D. become impossible to push

Correct Answer: A

Universal joints are needed to allow the drive shaft to flex when the car goes over a bump in the road. If the universal joints are broken, the car will be unable to move since the drive shaft will not be connected to the power source.

QUESTION 7

What gear is the transmission in when the engine is driving the car directly?



- A. first gear
- B. second gear
- C. third gear
- D. fourth gear

Correct Answer: C

In a three-speed car first gear is used to get the car moving.

Second gear is used to get it moving a little fester.

Then it is placed in third gear when it has reached a higher speed and needs less power to make it move even fester. When the third gear is engaged, no gear reduction is taking place and the engine speed is reflected in the speed at which the wheels turn.

QUESTION 8



The above tool is a(n) _____.

- A. pipe wrench
- B. socket wrench
- C. adjustable crescent wrench
- D. box-end wrench

Correct Answer: C

QUESTION 9

A rip saw cuts _____.

- A. against the grain of the wood



- B. with the grain of the wood
- C. most materials, including metal
- D. only plastic

Correct Answer: B

QUESTION 10

Which is not a real type of wrench?

- A. pipe
- B. torque
- C. box-end
- D. closed-end

Correct Answer: D

QUESTION 11

The brushes in an alternator ride on _____.

- A. the commutator
- B. the stator
- C. slip rings
- D. the heat sink

Correct Answer: C

Two slip rings are mounted on the rotor shaft. Two brushes ride on the slip rings and deliver electrical energy to the rotor windings.

QUESTION 12

The flywheel is attached to the _____.

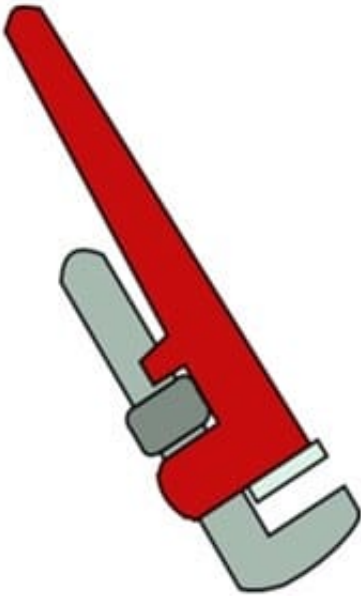
- A. crankshaft
- B. carburetor
- C. radiator
- D. differential



Correct Answer: A

The flywheel is used to keep the engine running smoothly inasmuch as it has a tendency to smooth out the individual power surges generated by the various cylinders firing the fuel charge. The flywheel is attached to the crankshaft.

QUESTION 13



What type of wrench is pictured?

- A. Crescent wrench
- B. Pipe wrench
- C. Ratchet wrench
- D. Combination wrench

Correct Answer: B

The figure is a pipe wrench.

QUESTION 14

What should you do if your temperature gauge on your car indicates that the car is overheating (in the red zone)?

- A. Open radiator cap and pour in cold water immediately
- B. Open radiator cap and pour in antifreeze immediately
- C. Turn on the car's heater
- D. Pull over and let the car cool down



Correct Answer: D

You should immediately pull over and let the car cool down.

QUESTION 15

Which of the following is a hardwood?

- A. oak
- B. spruce
- C. pine
- D. nr

Correct Answer: A

Hardwood comes from deciduous trees such as the oak, maple, elm, and ash.

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