



ASVAB-SECTION-4^{Q&As}

ASVAB Section Four : Automotive & Shop Information

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QUESTION 1

When a driver presses the accelerator, the throttle _____.

- A. breaks down to signal that maximum speed has been reached
- B. tightens to maintain fuel efficiency
- C. remains neutral, as it has no connection to the accelerator
- D. opens, which allows more air into the engine

Correct Answer: D

QUESTION 2

If a car's ignition system, lights, and radio don't work, the part that's probably malfunctioned is the _____.

- A. cylinder block
- B. water pump
- C. carburetor
- D. battery

Correct Answer: D

QUESTION 3

When all other lights show normal illumination but one headlight is dim, it is a good sign that the _____.

- A. battery is weak.
- B. headlight switch is defective.
- C. headlight unit needs adjustment.
- D. headlight has a poor ground connection.

Correct Answer: D

A loose or corroded headlight ground connection will cause a dim light. If the headlight switch is faulty, all lights will be affected, not just the headlight.

QUESTION 4

In which automotive system would you find a "wishbone"?



- A. transmission
- B. engine
- C. exhaust
- D. suspension

Correct Answer: A

QUESTION 5

Most automobile engines are _____.

- A. two-stroke cycle engines
- B. three-stroke cycle engines
- C. four-stroke cycle engines
- D. six-stroke cycle engines

Correct Answer: C

Lawn mowers and outboard engines are two-cycle. They are used wherever horsepower is needed in a lightweight package. They run very fast in order to produce power. Four-cycle engines are used in automobiles, where various conditions exist and load variations are greater. One exception is the rotary or Wankel engine, which uses a rotary design to convert pressure into rotating motion instead of using reciprocating pistons.

QUESTION 6

The function of a catalytic converter is primarily to _____.

- A. change pollutants into substances that are less harmful
- B. improve the starting power of the automobile
- C. force air into the engine for better acceleration
- D. control the amount of gasoline that flows into the engine

Correct Answer: A

The catalytic converter converts pollutants into less harmful substances.

QUESTION 7

Concrete is made by mixing _____.

- A. cement and sand



- B. cement, sand, and water
- C. cement and water
- D. cement, sand, gravel, and water

Correct Answer: D

QUESTION 8

The purpose of the oil pump is to _____.

- A. allow excess or dirty gas to be pumped out of the gas tank
- B. lubricate the wheels to ensure they keep on rotating
- C. reserve oil for the car to run in case the gas tank becomes empty
- D. provide lubrication and prevent friction between metal parts of the engine

Correct Answer: D

QUESTION 9

Which of these is not a type of file?

- A. single-cut
- B. half-round
- C. double-cut
- D. triple-cut

Correct Answer: D

QUESTION 10

The _____ is the emission-control system that forces unburned or partially-burned fuel back into the cylinder in order to be burned.

- A. electronic fuel injector
- B. alternator
- C. positive-crankcase ventilation
- D. fuel pump

Correct Answer: C



QUESTION 11

On older cars, the air filter can be found _____.

- A. on top of the engine
- B. under the engine
- C. behind the engine
- D. on the left or right side of the engine

Correct Answer: A

QUESTION 12

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 13

There are four types of fuel injection used in cars today. They are throttle body injection, multi-port injection, direct injection, and _____.

- A. a manual continuous electronic flow injection
- B. sequential fuel injection
- C. automatic circuitous injection
- D. manual intermittent injection

Correct Answer: B

The four types of fuel injection used in cars today are throttle body injection, multi-port injection, direct injection, and sequential fuel injection.



QUESTION 14

A four-wheel vehicle driving on all four wheels is known as a _____.

- A. 4×2
- B. 2×4
- C. 4×4
- D. 4×6

Correct Answer: C

A four-wheel vehicle is called a 4×4 if all wheels are driven.

One with six wheels with all six being driven is called a 6×6 , and one with six wheels (like a truck) but only four being driven is designated as a 4×6 .

QUESTION 15

Sheet metal is formed into round cylinders by using a _____.

- A. squaring shear
- B. slip roll
- C. bar folder
- D. punch press

Correct Answer: B

A squaring shear is used to cut sheet metal along a straight line. A bar folder is used to bend sheet metal, and a punch press makes holes in sheet metal. The slip roll is used to form the metal into round, cylindrical shapes.

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