

# ASVAB-SECTION-5<sup>Q&As</sup>

ASVAB Section Five : Electronic Information

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**QUESTION 1**

The two most commonly used metals in solder are \_\_\_\_\_.

- A. tin and gold
- B. tin and lead
- C. gold and nickel
- D. gold and lead

Correct Answer: B

Typical solders are almost equal parts tin and lead.

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**QUESTION 2**

The farad is the unit of measurement of \_\_\_\_\_.

- A. capacitance
- B. voltage
- C. resonance
- D. ohms

Correct Answer: A

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**QUESTION 3**

Changing alternating current to direct current is called \_\_\_\_\_.

- A. capacitance
- B. impedance
- C. rectification
- D. induction

Correct Answer: C

Changing AC to DC is a process called rectification.

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**QUESTION 4**

Resistance is measured in \_\_\_\_\_.

- A. Watts
- B. Volts
- C. Ohms
- D. Farads

Correct Answer: C

Resistance is measure in ohms.

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**QUESTION 5**

A semiconductor describes elements that have \_\_\_\_\_ electrons in their valance shell.

- A. 3
- B. 4
- C. 2
- D. 1

Correct Answer: B

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**QUESTION 6**

Newer cell phones contain a removable memory card, which is often called a \_\_\_\_\_.

- A. SIM card
- B. DIM chip
- C. PIN card
- D. Pin chip

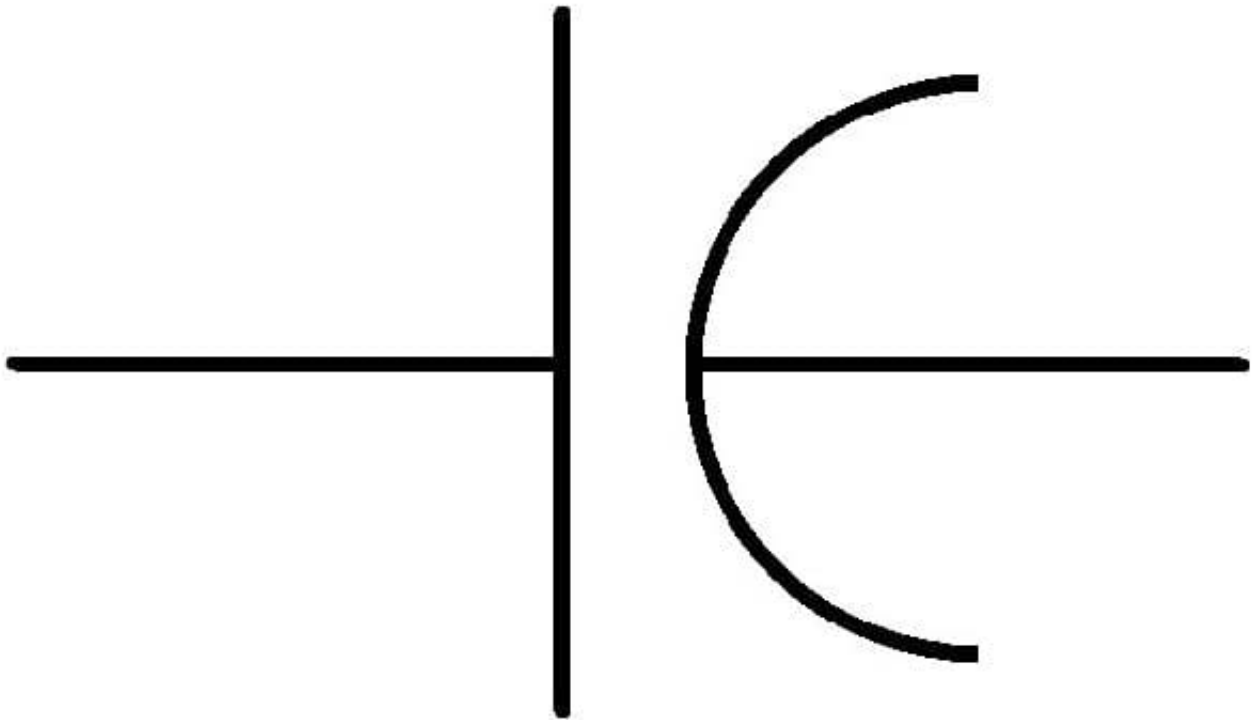
Correct Answer: A

SIM stands for Subscriber Identity Module. The card contains information such as your phone number, your billing information, and your address book. It makes it easier to switch from one cell phone to another.

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**QUESTION 7**

The symbol below is used in electrical diagrams to represent a \_\_\_\_\_.



- A. resistor
- B. capacitor
- C. transformer
- D. transistor

Correct Answer: B

The symbol is used in electrical diagrams to represent a capacitor.

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#### QUESTION 8

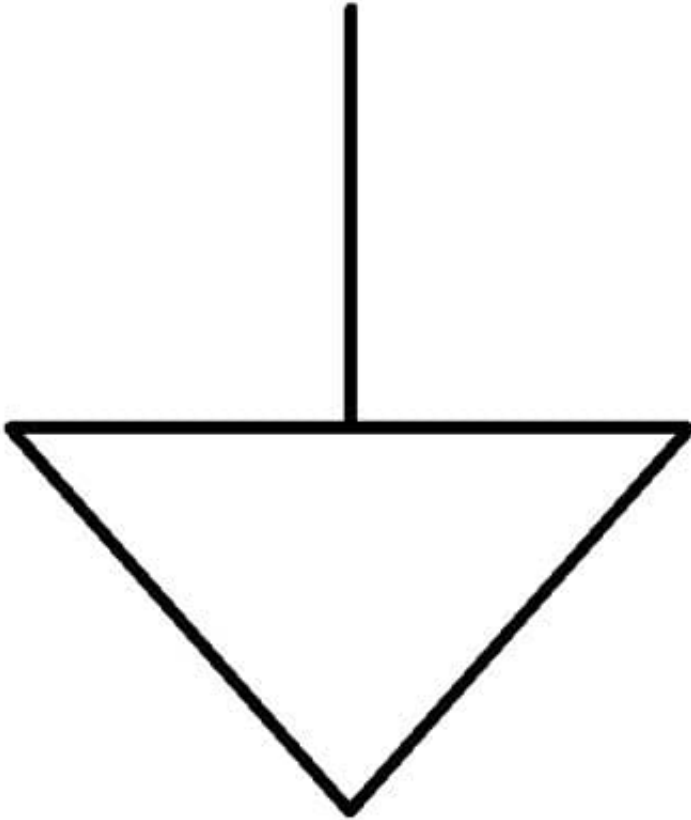
In an FM receiver the AFC is \_\_\_\_\_.

- A. automatic frequency control for stabilizing the IF.
- B. automatic frequency control for stabilizing the local oscillator.
- C. automatic frequency control for tuning the incoming frequency.
- D. automatic frequency control for the radio frequency amplifier.

Correct Answer: B

On an FM receiver the AFC is automatic frequency control. It keeps the receiver from drifting from the station it is tuned to. This is done by having part of the signal fed back to the local oscillator to keep it operating on the correct frequency and not drifting.

**QUESTION 9**



The symbol in this diagram is the symbol for \_\_\_\_\_.

- A. lightning
- B. Earth ground
- C. power source
- D. signal ground

Correct Answer: D

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**QUESTION 10**

The two types of transistors are \_\_\_\_\_.

- A. PNP and NPN
- B. PPP and NNN
- C. ABC and BCA
- D. CBC and PRN

Correct Answer: A

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**QUESTION 11**

Using a fuse rated higher than the required current rating of a circuit can \_\_\_\_\_.

- A. protect your circuit better
- B. cause the fuse to blow more often
- C. lower your power usage for that circuit
- D. result in serious damage to your circuit

Correct Answer: D

Using a higher rated fuse is dangerous and can result in serious damage to your circuit.

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**QUESTION 12**

Ohm's Law is defined as \_\_\_\_\_.

- A.
- B.
- C.
- D.

Correct Answer:

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**QUESTION 13**

Electricity is defined as \_\_\_\_\_.

- A. the flow of electrons along a conductor
- B. the flow of ions along a conductor
- C. the movement of charges
- D. static electricity

Correct Answer: A

The definition of current electricity is the flow of electrons. Static electricity is conceived of as standing still or collecting on surfaces

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**QUESTION 14**

A filter is used in a power supply to \_\_\_\_\_.

- A. convert alternating current to direct current.
- B. change direct current to alternating current.
- C. even out voltage variations.
- D. smooth out power surges.

Correct Answer: C

A filter is placed in the power supply to even out any voltage variations. In some cases, a choke may be used in the filter to smooth out the current variations.

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**QUESTION 15**

\_\_\_\_\_ is the name given to the orbit an electron resides in around an atom.

- A. circulation
- B. shell
- C. field
- D. level

Correct Answer: B

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