



ASVAB-SECTION-5^{Q&As}

ASVAB Section Five : Electronic Information

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QUESTION 1

The klystron is used in _____.

- A. low-frequency transmitters
- B. radar units
- C. audio frequency amplifiers
- D. frequency detectors

Correct Answer: B

The klystron is used as a frequency source in microwave units ?from a microwave oven for the kitchen to a radar unit for an aircraft

QUESTION 2

The two types of electrical current are _____.

- A. direct and changing
- B. backwards and forwards
- C. simple and complex
- D. direct and alternating

Correct Answer: D

QUESTION 3

Which of the following isn't a component of a DC motor?

- A. rotor bars
- B. armature
- C. field poles
- D. yoke

Correct Answer: A

Rotor bars are found only on AC induction motors.

QUESTION 4



The nucleus of an atom contains what two subatomic particles?

- A. protons and gamma particles
- B. neutrons and electrons
- C. protons and electrons
- D. protons and neutrons

Correct Answer: D

QUESTION 5

Transistors are known as being solid-state.

This means _____.

- A. transistors have no moving parts and all of their electricity exists in their material
- B. transistors are very reliable and are generally "solid"
- C. transistors never change state once set
- D. transistors carry no state information between charges

Correct Answer: A

QUESTION 6

When an electric current passes through a wire, a _____ field is generated around the wire.

- A. charged
- B. magnetic
- C. positive
- D. negative

Correct Answer: B

QUESTION 7

A capacitor is used to perform which of these in an electrical circuit?

- A. reduce current
- B. store an electrical charge
- C. increase voltage



D. prevent shock

Correct Answer: B

QUESTION 8

Electromotive force is another way of saying _____.

A. frequency

B. watts

C. cycles per second

D. voltage

Correct Answer: D

Electromotive force is the pressure of the current, so the term is another way of saying voltage.

QUESTION 9

Electromotive force is another word for _____.

A. ohms

B. volts

C. amps

D. current

Correct Answer: B

QUESTION 10

A crystal microphone uses _____.

A. the piezoelectric effect

B. the Doppler effect

C. magnetic wavicles to operate

D. a permanent magnet for resonance

Correct Answer: A

A crystal microphone relies on the piezoelectric effect, where a pressure on a crystal produces an electric current.

**QUESTION 11**

A circuit contains three parallel resistors. Each resistor has 3 amps flowing through them.

What is the total current flowing through the circuit?

- A. 1 A
- B. 3 A
- C. 9 A
- D. 1.5 A

Correct Answer: C

For resistors in parallel, the total current is equal to the sum of the currents through each resistor.

QUESTION 12

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 13

Electrical power is expressed in _____.

- A. ohms
- B. volts
- C. watts
- D. current

Correct Answer: C

QUESTION 14



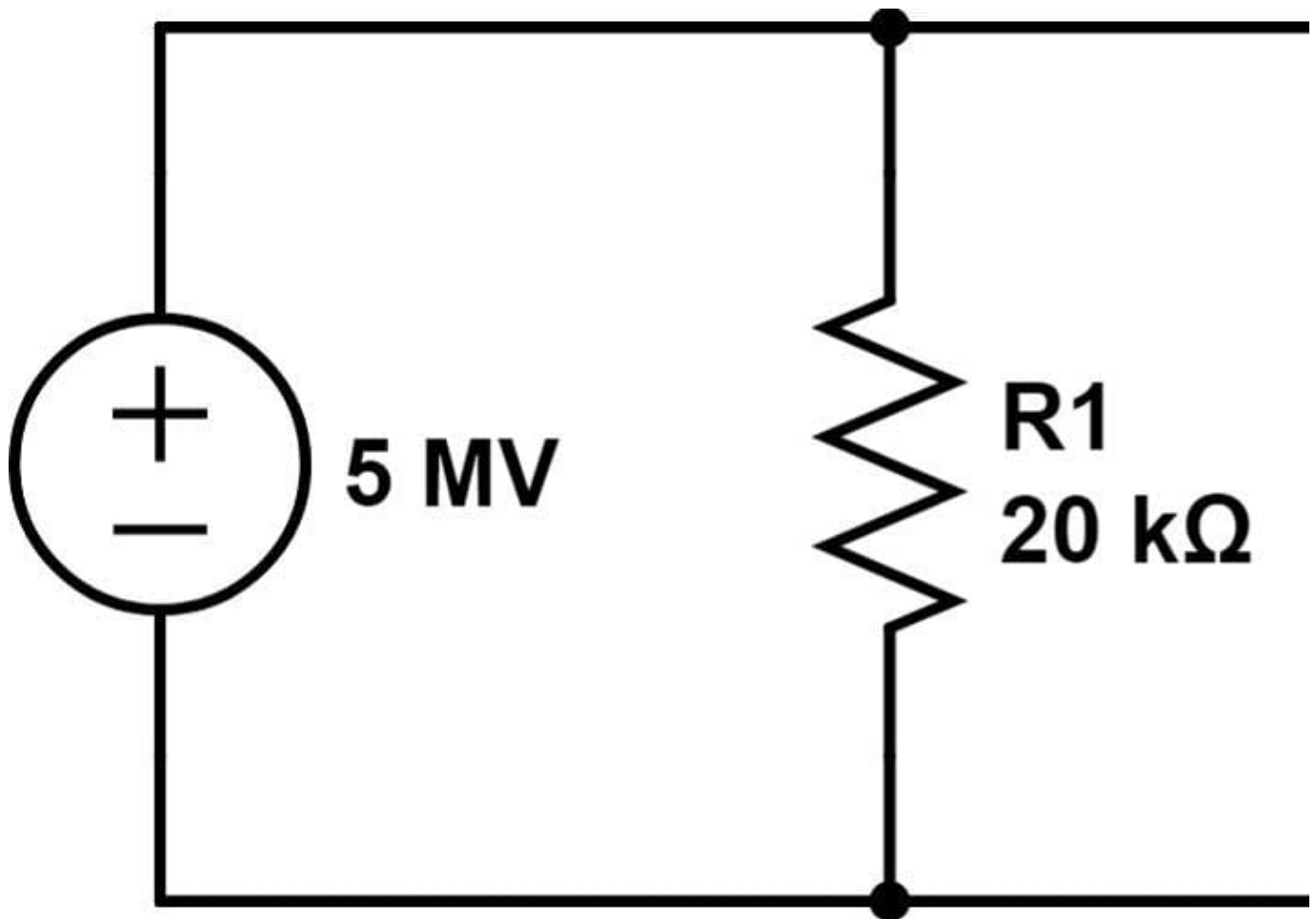
What is the frequency of the alternating voltage and current typically used in the United States?

- A. 40 hz
- B. 50 hz
- C. 60 hz
- D. 110 hz

Correct Answer: C

Electricity in the U.S. has a frequency of 60 hz.

QUESTION 15



Given the electronic circuit diagram, what is the current flowing through resistor at position R2? (MV = megavolts, k = kilo)

- A. 250 amperes
- B. 0 amperes



C. 100 milliamperes

D. 125 amperes

Correct Answer: A

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