

## Section 6-7

G2E12 (D)

Which of the following connectors would be a good choice for a serial data port?

- A. PL-259
- B. Type N
- C. Type SMA
- D. DE-9

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G6B02 (B)

What is meant by the term MMIC?

- A. Multi-Megabyte Integrated Circuit
- B. Monolithic Microwave Integrated Circuit
- C. Military Manufactured Integrated Circuit
- D. Mode Modulated Integrated Circuit

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G6B03 (A)

Which of the following is an advantage of CMOS integrated circuits compared to TTL integrated circuits?

- A. Low power consumption
- B. High power handling capability
- C. Better suited for RF amplification
- D. Better suited for power supply regulation

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G6B04 (B)

What is meant by the term ROM?

- A. Resistor Operated Memory
- B. Read Only Memory
- C. Random Operational Memory
- D. Resistant to Overload Memory

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G6B05 (C)

What is meant when memory is characterized as non-volatile?

- A. It is resistant to radiation damage
- B. It is resistant to high temperatures
- C. The stored information is maintained even if power is removed
- D. The stored information cannot be changed once written

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G6B06 (D)

What kind of device is an integrated circuit operational amplifier?

- A. Digital
- B. MMIC
- C. Programmable Logic
- D. Analog

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G6B09 (A)

Which of the following is a characteristic of a liquid crystal display?

- A. It utilizes ambient or back lighting
- B. It offers a wide dynamic range
- C. It consumes relatively high power
- D. It has relatively short lifetime

G6B12 (C)

Which of these connector types is commonly used for audio signals in Amateur Radio stations?

- A. PL-259
- B. BNC
- C. RCA Phono
- D. Type N

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G7B03 (B)

Which of the following describes the function of a two-input AND gate?

- A. Output is high when either or both inputs are low
- B. Output is high only when both inputs are high
- C. Output is low when either or both inputs are high
- D. Output is low only when both inputs are high

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G7B04 (C)

Which of the following describes the function of a two input NOR gate?

- A. Output is high when either or both inputs are low
- B. Output is high only when both inputs are high
- C. Output is low when either or both inputs are high
- D. Output is low only when both inputs are high

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G7B05 (C)

How many states does a 3-bit binary counter have?

- A. 3
- B. 6
- C. 8
- D. 16

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G7B06 (A)

What is a shift register?

- A. A clocked array of circuits that passes data in steps along the array
- B. An array of operational amplifiers used for tri-state arithmetic operations
- C. A digital mixer
- D. An analog mixer

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G7B07 (D)

Which of the following are basic components of a sine wave oscillator?

- A. An amplifier and a divider
- B. A frequency multiplier and a mixer
- C. A circulator and a filter operating in a feed-forward loop
- D. A filter and an amplifier operating in a feedback loop