16 ) Which of the following voltage ranges would most likely be used to represent a binary zero in a typical digital circuit?

A) 0 V – 0.8 V

B) 0 V – 2 V

C) 0.8 V – 4 V

D) 2 V – 5 V

Answer: A

17 ) Which of the following voltage ranges would most likely be used to represent a binary one?

A) 0 V – 0.8 V

B) 0.8 V – 2 V

C) 0 V – 4 V

D) 2 V – 5 V

Answer: D

18 ) A given digital circuit is referred to as a *logic circuit*. This label means that the circuit operates:

A) as an analog representation of a given quantity.

B) as a fully hybrid circuit.

C) by an unknown characteristic of a specific set of rules.

D) by a certain set of logic rules.

Answer: D

19 ) The parallel transmission of digital data:

A) requires only one signal line between sender and receiver.

B) requires as many signal lines between sender and receiver as there are data bits.

C) is much slower than the serial transmission of data.

D) is less expensive than the serial method of data transmission.

Answer: B

20 ) A set of instructions that tell a computer exactly what to do is called a:

A) program.

B) control unit.

C) memory unit.

D) arithmetic/logic unit.

Answer: A