DIGITAL-10-MCQ-EM-1ST

ITI Quiz - - -2026 03:50 PM

Q. ID: ITISKILL9155EE

March 2026

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Answer Key

Duration: 30 Mins **Total Marks: 10** **Q.ID: ITISKILL9155EE**

1. What is the decimal number for the binary number 0101?

A) 7
B) 4
C) 6
D) 5

Answer: D) 5

2. Which IC is used for (DEMUX) function in data transmission?

A) 74 LS 138
B) IC 7486
C) IC 7483
D) 74 LS 151

Answer: A) 74 LS 138

3. What is the power dissipation of the standard TTL chip?

A) 15 mW/gate
B) 5 mW/gate
C) 20 mW/gate
D) 10 mW/gate

Answer: D) 10 mW/gate

4. What is the decimal conversion number for the octal number (2374)8?

A) (1296)10
B) (1276)10
C) (1286)10
D) (1266)10

Answer: B) (1276)10

5. How many inputs are available in the 7447 BCD-to-seven segment decoder used to drive the LED display?

A) Seven
B) Eight
C) Four
D) One

Answer: C) Four

6. What is the power supply required to operate the most standard TTL ICs properly?

A) - 1.5v to - 2.5V
B) + 4.75v to + 5.25V
C) + 1.5v to +2.5V
D) + 7.5v to + 12V

Answer: B) + 4.75v to + 5.25V

7. Which circuits requires the flip - flops for their operation?

A) Amplifier circuits
B) Memory circuits
C) Modulator circuits
D) Oscillator circuits

Answer: B) Memory circuits

8. What is the use of flip - flop?

A) It stores current
B) It stores binary information
C) It stores energy
D) It stores voltage

Answer: B) It stores binary information

9. What is the digital signal value for the analog signal value 6V?

A) 101
B) 111
C) 110
D) 100

Answer: C) 110

10. What is the propagation delay of the standard TTL chip?

A) 5 ns
B) 8 ns
C) 12 ns
D) 10 ns

Answer: D) 10 ns