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Score: 3/19 (15.79%)

Code: 1904

1. What is the decimal conversion number for the octal number (2374)₈?
- A) (1266)₁₀ **B) (1276)₁₀**
 C) (1286)₁₀ (Incorrect) D) (1296)₁₀
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2. What is the digital signal value for the analog signal value 6V?
- A) 100 (Incorrect) B) 101
C) 110 D) 111
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3. What is the decimal number for the binary number 0101?
- A) 4 **B) 5**
 C) 6 D) 7 (Incorrect)
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4. How many characters are in hexadecimal number system?
- A) 6 (Incorrect) B) 8
 C) 12 **D) 16**
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5. How the decimal number can be converted into binary number?
- A) Divide decimal by 4 B) Multiplying decimal by 4
C) Dividing decimal by 2 D) Multiplying decimal 2 (Incorrect)
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6. What is the power supply required to operate the most standard TTL ICs properly?
- A) +1.5V to +2.5V (Incorrect) B) -1.5V to -2.5V
C) +4.75V to +5.25V D) +7.5v to +12V
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7. What is the power dissipation of the standard TTL chip?
- A) 5 mW/gate **B) 10 mW/gate**
 C) 15 mW/gate (Incorrect) D) 20 mW/gate
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8. What is the purpose of using binary coded decimal (BCD) system in digital circuits?
- A) Storing the data inputs** B) Control the binary system
 C) Interface to binary system (Incorrect) D) Segregating the input parameters
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9. Which gate is called universal gate?
- A) AND (Incorrect) B) NOT
C) NOR D) OR
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10. How many inputs are available in the 7447 BCDto- seven segment decoder used to drive the LED display?
- A) One **B) Four**
 C) Seven (Incorrect) D) Eight
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11. Which IC is used for (DEMUX) function in data transmission?
- A) IC 7483 B) IC 7486
C) 74 LS 138 (Correct) D) 74 LS 151
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12. Which circuits requires the flip - flops for their operation?
- A) Amplifier circuits (Incorrect) B) Oscillator circuits
 C) Modulator circuits **D) Memory circuits**
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13. What is the use of flip - flop?
- A) It stores energy B) It stores voltage
 C) It stores current **D) It stores binary information (Correct)**
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14. What is the maximum possible number of flipflops in a decade counter?
- A) 1^n **B) 2^n**
 C) 2^{n+1} (Incorrect) D) 3^n
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15. What is the purpose of using IC74LS190?
- A) Attenuator B) Comparator
C) Up/down counter D) Modulator (Incorrect)
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16. Which IC is used for the function of 4 bit shift register?
- A) IC 7404 (Incorrect) B) IC 7447
 C) IC 7493 **D) IC 7495**
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17. What is the information stored in digital registers?
- A) Analog values **B) Digital values (Correct)**
 C) Decimal values D) Alphanumeric values
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18. What is the full form of BCD in number system?
- A) Binary Coded Decimal** B) Bit Coded Decimal (Incorrect)
 C) Byte Coded Decimal D) Beep Code Decimal
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19. What is the full form of PIPO in registers?

A) Parallel Out Parallel In

B) Physical In Physical Out
(Incorrect)

C) Parallel In Parallel Out D) Physical out Physical In
