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Score: 0/19 (0.00%)

Code: 0324

1. What is the decimal conversion number for the octal number (2374)₈?
- A) (1266)₁₀ **B) (1276)₁₀**
C) (1286)₁₀ D) (1296)₁₀
2. What is the digital signal value for the analog signal value 6V?
- A) 100 B) 101
C) 110 D) 111
3. What is the decimal number for the binary number 0101?
- A) 4 **B) 5**
C) 6 D) 7
4. How many characters are in hexadecimal number system?
- A) 6 B) 8
C) 12 **D) 16**
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
6. What is the power supply required to operate the most standard TTL ICs properly?
- A) +1.5V to +2.5V B) -1.5V to -2.5V
C) +4.75V to +5.25V D) +7.5v to +12V
7. What is the power dissipation of the standard TTL chip?
- A) 5 mW/gate **B) 10 mW/gate**
C) 15 mW/gate D) 20 mW/gate
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 D) Segregating the input parameters
9. Which gate is called universal gate?
- A) AND B) NOT
C) NOR D) OR
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 D) Eight

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

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

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

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

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**

14. What is the maximum possible number of flipflops in a decade counter?

- A) $1 ⁿ$ **B) $2 ⁿ$**
C) $2 ⁿ⁺¹$ D) $3 ⁿ$

15. What is the purpose of using IC74LS190?

- A) Attenuator B) Comparator
C) Up/down counter D) Modulator

16. Which IC is used for the function of 4 bit shift register?

- A) IC 7404 B) IC 7447
C) IC 7493 **D) IC 7495**

17. What is the information stored in digital registers?

- A) Analog values **B) Digital values**
C) Decimal values D) Alphanumeric values

18. What is the full form of BCD in number system?

- A) Binary Coded Decimal** B) Bit Coded Decimal
C) Byte Coded Decimal D) Beep Code Decimal

19. What is the full form of PIPO in registers?

- A) Parallel Out Parallel In B) Physical In Physical Out
C) Parallel In Parallel Out D) Physical out Physical In