

Student: NIVEDIT MAHESH HUIASWAR

Score: 4/19 (21.05%)

Code: 5935

1. What is the decimal conversion number for the octal number (2374)<sub>8</sub>?
- A) (1266)<sub>10</sub>      **B) (1276)<sub>10</sub> (Correct)**  
 C) (1286)<sub>10</sub>      D) (1296)<sub>10</sub>
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2. What is the digital signal value for the analog signal value 6V?
- A) 100      B) 101  
**C) 110**      D) 111 (Incorrect)
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3. What is the decimal number for the binary number 0101?
- A) 4 (Incorrect)      **B) 5**  
 C) 6      D) 7
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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 (Incorrect)  
**C) Dividing decimal by 2**      D) Multiplying decimal 2
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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      B) -1.5V to -2.5V  
**C) +4.75V to +5.25V (Correct)**      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 (Correct)**      B) Control the binary system  
 C) Interface to binary system      D) Segregating the input parameters
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9. Which gate is called universal gate?
- A) AND (Incorrect)      B) NOT
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- 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      B) Oscillator circuits (Incorrect)  
 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 (Incorrect)      **D) It stores binary information**
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14. What is the maximum possible number of flipflops in a decade counter?
- A) 1<sup>n</sup> (Incorrect)      **B) 2<sup>n</sup>**  
 C) 2<sup>n+1</sup>      D) 3<sup>n</sup>
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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      B) IC 7447  
 C) IC 7493 (Incorrect)      **D) IC 7495**
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17. What is the information stored in digital registers?
- A) Analog values      **B) Digital values**  
 C) Decimal values (Incorrect)      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

C) Byte Coded Decimal  
(Incorrect)

D) Beep Code Decimal

A) Parallel Out Parallel In

B) Physical In Physical Out  
(Incorrect)

**C) Parallel In Parallel Out**

D) Physical out Physical In

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