

Duration: 30 Mins

Total Marks: 19

ID: ITISKILL89914P

Student Name: _____	Roll No: _____
---------------------	----------------

1. How many inputs are available in the 7447 BCDto- seven segment decoder used to drive the LED display?
 - A) Seven
 - B) Four
 - C) Eight
 - D) One

2. Which circuits requires the flip - flops for their operation?
 - A) Amplifier circuits
 - B) Memory circuits
 - C) Oscillator circuits
 - D) Modulator circuits

3. What is the information stored in digital registers?
 - A) Decimal values
 - B) Alphanumeric values
 - C) Digital values
 - D) Analog values

4. Which IC is used for the function of 4 bit shift register?
 - A) IC 7495
 - B) IC 7447
 - C) IC 7404
 - D) IC 7493

5. What is the use of flip - flop?
 - A) It stores energy
 - B) It stores binary information
 - C) It stores voltage
 - D) It stores current

6. What is the full form of BCD in number system?
 - A) Binary Coded Decimal
 - B) Byte Coded Decimal
 - C) Beep Code Decimal
 - D) Bit Coded Decimal

7. What is the purpose of using IC74LS190?
 - A) Comparator
 - B) Modulator
 - C) Up/down counter
 - D) Attenuator

8. Which IC is used for (DEMUX) function in data transmission?
 - A) IC 7486
 - B) 74 LS 138
 - C) 74 LS 151
 - D) IC 7483

9. What is the decimal number for the binary number 0101?
 - A) 6
 - B) 7
 - C) 4
 - D) 5

10. How many characters are in hexadecimal number system?
 - A) 6
 - B) 8
 - C) 12
 - D) 16

11. What is the power supply required to operate the most standard TTL ICs properly?
 - A) +4.75V to +5.25V
 - B) -1.5V to -2.5V
 - C) +7.5v to +12V
 - D) +1.5V to +2.5V

12. What is the purpose of using binary coded decimal (BCD) system in digital circuits?
 - A) Interface to binary system
 - B) Control the binary system
 - C) Segregating the input parameters
 - D) Storing the data inputs

13. What is the digital signal value for the analog signal value 6V?
 - A) 110
 - B) 111
 - C) 100
 - D) 101

14. What is the decimal conversion number for the octal number $(2374)_8$?
 - A) $(1296)_{10}$
 - B) $(1266)_{10}$
 - C) $(1286)_{10}$
 - D) $(1276)_{10}$

15. Which gate is called universal gate?
 - A) AND
 - B) NOR
 - C) OR
 - D) NOT

16. What is the full form of PIPO in registers?
 - A) Parallel In Parallel Out
 - B) Physical In Physical Out
 - C) Parallel Out Parallel In
 - D) Physical out Physical In

17. What is the maximum possible number of flipflops in a decade counter?
 - A) 2^n
 - B) 2^{n+1}
 - C) 10^n
 - D) 3^n

18. What is the power dissipation of the standard TTL chip?
 - A) 15 mW/gate
 - B) 10 mW/gate

C) 5 mW/gate

D) 20 mW/gate

number?

19. How the decimal number can be converted into binary

A) Multiplying decimal by 4 B) Divide decimal by 4

C) Multiplying decimal 2 D) Dividing decimal by 2
