ICTSM

February 2026

ITI Quiz - 09-Feb-2026 09:18 PM

GOVT ITI ANKOLA

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Question Paper

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Score: 6/19 (31.58%)   **Code: 7238**

1. What is the decimal conversion number for the octal number $(2374)_8$?

A) $(1266)_{10}$ | **B) $(1276)_{10}$ (Correct)**
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 (Incorrect)

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

A) 4 | **B) 5 (Correct)**
C) 6 | D) 7

4. How many characters are in hexadecimal number system?

A) 6 | B) 8
C) 12 (Incorrect) | **D) 16**

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

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

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

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 (Incorrect)
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 (Incorrect)

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

A) One | **B) Four (Correct)**
C) Seven | D) Eight

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

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

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

A) Amplifier circuits | B) Oscillator circuits (Incorrect)
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 (Correct)**

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 (Incorrect)

15. What is the purpose of using IC74LS190?

A) Attenuator | B) Comparator
C) Up/down counter | D) Modulator (Incorrect)

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 (Correct)**

17. What is the information stored in digital registers?

A) Analog values | **B) Digital values**
C) Decimal values (Incorrect) | D) Alphanumeric values

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

A) Binary Coded Decimal | B) Bit Coded Decimal

A) Parallel Out Parallel In (Incorrect)

B) Physical In Physical Out

C) Parallel In Parallel Out

D) Physical out Physical In

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