

March 2026

Sri Mahalingeswara ITI

Question Paper

Duration: 30 Mins**Total Marks: 10****ID: ITISKILL9155EE**

Student Name: _____	Roll No: _____
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1. What is the decimal number for the binary number 0101? number (2374)₈?
- | | | | |
|------|------|-------------------------|-------------------------|
| A) 7 | B) 6 | A) (1266) ₁₀ | B) (1296) ₁₀ |
| C) 5 | D) 4 | C) (1276) ₁₀ | D) (1286) ₁₀ |
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2. What is the propagation delay of the standard TTL chip?
- | | |
|----------|----------|
| A) 8 ns | B) 5 ns |
| C) 12 ns | D) 10 ns |
-
3. What is the digital signal value for the analog signal value 6V?
- | | |
|--------|--------|
| A) 111 | B) 101 |
| C) 100 | D) 110 |
-
4. What is the power dissipation of the standard TTL chip?
- | | |
|---------------|---------------|
| A) 10 mW/gate | B) 20 mW/gate |
| C) 5 mW/gate | D) 15 mW/gate |
-
5. Which circuits requires the flip - flops for their operation?
- | | |
|------------------------|-----------------------|
| A) Oscillator circuits | B) Memory circuits |
| C) Modulator circuits | D) Amplifier circuits |
-
6. What is the decimal conversion number for the octal
7. What is the use of flip - flop?
- | | |
|----------------------|---------------------------------|
| A) It stores current | B) It stores binary information |
| C) It stores energy | D) It stores voltage |
-
8. How many inputs are available in the 7447 BCD-to-seven segment decoder used to drive the LED display?
- | | |
|----------|----------|
| A) Seven | B) Four |
| C) One | D) Eight |
-
9. Which IC is used for (DEMUX) function in data transmission?
- | | |
|--------------|------------|
| A) 74 LS 138 | B) IC 7483 |
| C) 74 LS 151 | D) IC 7486 |
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10. 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) - 1.5v to - 2.5V | D) + 7.5v to + 12V |
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