

# GITIANKOLA

## Test1

Q. ID: ITISKILL8320PT | June 2026

87.50% 21 / 24

|              |                |                 |          |
|--------------|----------------|-----------------|----------|
| Student Name | Drashya v naik | Access Code     | 4844     |
| Attempt No.  | #1             | Completion Time | 10:45 AM |
| Rank         | #2             | Total Questions | 24       |

21 SCORE

24 MAX MARKS

21 CORRECT

3 INCORRECT

### Answer Review

**Q1** **CORRECT** How many inputs are available in the 7447 BCD-to-seven segment decoder used to drive the LED display?

A. One

B. Four ☒

C. Seven

D. Eight

**Q2** **CORRECT** 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

**Q3** **CORRECT** What is the propagation delay of the standard TTL chip?

A. 5 ns

B. 8 ns

C. 10 ns ☒

D. 12 ns

**Q4** **CORRECT** 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

**Q5** **CORRECT** What is the decimal conversion number for the octal number (2374)<sub>8</sub>?

A. (1266)<sub>10</sub>

B. (1276)<sub>10</sub> ☒

C. (1286)<sub>10</sub>

D. (1296)<sub>10</sub>

**Q6** **CORRECT** What is the digital signal value for the analog signal value 6V?

A. 100

B. 101

C. 110 ☒

D. 111

**Q7** **CORRECT** What is the decimal number for the binary number 0101?

A. 4

B. 5 ☒

C. 6

D. 7

**Q8** **CORRECT** Which IC is used for (DEMUX) function in data transmission?

A. IC 7483

B. IC 7486

C. 74 LS 138 ☒

D. 74 LS 151

**Q9** **CORRECT** Which circuits requires the flip - flops for their operation?

A. Amplifier circuits

B. Oscillator circuits

C. Modulator circuits

D. Memory circuits ☒

**Q10** **CORRECT** What is the use of flip - flop?

A. It stores energy

B. It stores voltage

C. It stores current

D. It stores binary information ☒

**Q11** **CORRECT** What is the maximum possible number of flip-flops in a decade counter?

A.  $1^n$

B.  $2^n$  ☒

C.  $2^{n+1}$

D.  $3^n$

**Q12** **CORRECT** What is the purpose of using IC74LS190?

A. Attenuator

B. Comparator

C. Up/down counter ☒

D. Modulator

**Q13** **CORRECT** Which IC is used for the function of 4 bit shift register?

A. IC 7404

B. IC 7447

C. IC 7493

D. IC 7495 ☒

**Q14** **CORRECT** What is the information stored in digital registers?

A. Analog values

B. Binary values ☒

C. Decimal values

D. Alphanumeric values

**Q15** **CORRECT** How many transistors are built inside the Very Large Scale Integration (VLSI) IC package?

**A.** 1000 and above ☒

**B.** 1 to 10 transistors

**C.** 10 to 100 transistors

**D.** 100 to 1000 transistors

**Q16** **CORRECT** Which IC package consist of 100 to 1000 transistors?

**A.** Large scale integration (LSI) ☒

**B.** Small scale integration (SSI)

**C.** Medium scale integration (MSI)

**D.** Very large scale integration (VLSI)

**Q17** **CORRECT** Which is the 3 terminal, negative voltage regulator IC?

**A.** LM 320

**B.** LM 340

**C.** IC 7905 ☒

**D.** IC 7812

**Q18** **CORRECT** Which three terminal voltage regulator IC has adjustable output?

**A.** LM 100

**B.** LM 105

**C.** LM 305

**D.** LM 317 ☒

**Q19** **INCORRECT** How much is the maximum load current of the negative voltage regulator IC 7912?

**A.** 1.0 A

**B.** 1.5 A ☐

**C.** 2.0 A ☐

**D.** 0.55 A

**Q20** **CORRECT** What is the current rating of voltage regulator IC LM338K?

**A.** 2A

**B.** 3A

**C.** 4A

**D.** 5A ☐

**Q21** **INCORRECT** Which method is followed to troubleshoot the problem causing section by the symptom?

**A.** Step by step method ☐

**B.** Sensory test method

**C.** Trial and error method

**D.** Logical approach method ☐

**Q22** **CORRECT** What is the current rating of voltage regulator IC LM317L?

**A.** 0.1 A ☐

**B.** 0.2 A

**C.** 0.3 A

**D.** 0.4 A

**Q23** **CORRECT** What is the range of output voltage of regulator IC LM 317?

A. 0 to 25 V

B. 0 to 30 V

C. 0 to 32 V

D. 1.2 V to 32 V ☒

**Q24** **INCORRECT** Which type of voltage regulator is IC 723?

A. Multipin variable voltage regulator ☐

B. Three pin positive voltage regulator

C. Three pin negative voltage regulator

D. Three pin adjustable voltage regulator ☒