

GITIANKOLA

Test1

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Attempt No.	#1	Completion Time	10:47 AM
Rank	#13	Total Questions	24

19 SCORE

24 MAX MARKS

19 CORRECT

5 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)₈?

A. (1266)₁₀

B. (1276)₁₀ ☒

C. (1286)₁₀

D. (1296)₁₀

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 **INCORRECT** 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 **INCORRECT** 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 ☒