

PLTW Digital Electronics - Final Review Set 1, PLTW Digital Electronics - Final Review Set 2, PLTW Digital Electronics - Final Review Set 3, Digital Electronics - PLTW Review Test

If an integrated circuit has been damaged and you smell smoke, you should_____.

Turn the power off for a few minutes before pulling out the damaged integrated circuit.

In scientific notation, which prefixes are used for values smaller than a whole value?

Micro, nano, milli

What is the value of the resistor with colors blue, grey, red , gold ?

6.8 K Ω $\pm 5\%$

What are the color bands for a 390 Ω (± 10) resistor?

ORANGE-WHITE-BROWN-SILVER

In a parallel circuit, you measure 1.5 mAmps flowing through a 600 Ω resistor.

What is the voltage drop across the resistor? Use Ohms law.

900 m Volts

What is the decimal equivalent to the binary number 0101102?

22 power of 10

In the eight-bit binary number shown below, which bit is the Least Significant Bit (LSB)?

b7b6 b5 b4 b3 b2 b1 b0

1 0 1 1 0 1 0 1

B 0 (zero)

Which of the following is a rule of Boolean algebra?

1. $AA \cdot 0 = A$

2. $AB \cdot 1 = 1$

3. $A \cdot A = A$

4. $AC \cdot A = 1$

$A \cdot A = A$

What is the binary equivalent to the decimal number 1310?

1101

What is the decimal equivalent to the binary number 0101102?

22 base 10

What is the binary equivalent to the hexadecimal number CH

11002

Which of the following equations is the un-simplified Sum-Of-Products equation for the truth table shown below with F as the Output?

X Y Z F

0 0 0 0

0 0 1 1

Final Exam Study Guide Digital Electronics

Lei Shi



Final Exam Study Guide Digital Electronics:

Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **Final Exam Study Guide Digital Electronics**

In a global inundated with screens and the cacophony of instantaneous interaction, the profound energy and mental resonance of verbal artistry frequently fade into obscurity, eclipsed by the constant onslaught of noise and distractions. Yet, situated within the musical pages of **Final Exam Study Guide Digital Electronics**, a charming perform of literary splendor that pulses with natural emotions, lies an memorable trip waiting to be embarked upon. Penned with a virtuoso wordsmith, that exciting opus manuals visitors on a psychological odyssey, lightly exposing the latent possible and profound affect embedded within the delicate web of language. Within the heart-wrenching expanse of the evocative analysis, we shall embark upon an introspective exploration of the book is central themes, dissect their captivating publishing fashion, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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