Mindluster Platform

About the course PN Junction in Electronic Devices

PN Junction course in hindi, In this course explore the fundamentals of PN Junctions, their properties, and applications in semiconductor devices and electronics

Computer Science Category's Courses

Course Lesson(25)

Lesson 1 : **PN Junction in Equilibrium with zero bias Voltage ZeroBiasCondition PNJunctionDiode**

Lesson 2 : **Energy Band Diagram of PN Junction**

Lesson 3 : **Cut in Voltage or Potential Barrier of PN Junction**

Lesson 4 : **Derivation of Electric Field at PN Junction**

Lesson 5 : **Derivation of Width of Depletion Region in PN Junction**

Lesson 6 :
Examples of PN Junction in Equilibrium with zero bias Voltage ZeroBiasCondition PNJunctionDiode

Lesson 7 :
Examples of PN Junction in Equilibrium with zero bias Voltage ZeroBiasCondition PNJunctionDiode

Lesson 8 :
Example on PN Junction Parameters with zero bias condition PNJunctionParameters ZeroBiasCondition

Lesson 9 : **PN Junction under forward bias condition PNJunction ForwardBias**

Lesson 10 : **PN Junction under Reverse bias condition PNJunction ReverseBias**

Lesson 11 : **Examples of PN Junction under Reverse bias condition PNJunction ReverseBias**

Lesson 12 : **Examples of PN Junction under Forward bias condition PNJunction ForwardBias**

Lesson 13 : **Ideal Diode and Practical Diode Approximation PNJunctionApproximation**

Lesson 14 :
Diode Ratings Voltage Ratings of Diode Current Ratings of Diode Power Ratings of Diode

Lesson 15 : **Diode testing and Diode Quality Verification DiodeTesting DiodeVerification PNJunction**

Lesson 16 : **Effect of Temperature in PN Junction Characteristics**

Lesson 17 : **Examples of Effect of Temperature in PN Junction Characteristics**

Lesson 18 : **1 Examples of Diode Circuit**

Lesson 19 : **2 Examples on Diode Circuit**

Lesson 20 : **3 Examples on Diode Circuit**

Lesson 21 : **4 Examples on Diode Circuit**

Lesson 22 :
PN Junction Capacitance Diode Capacitance Depletion Capacitance Diffusion Capacitance

Lesson 23 : **Examples of PN Junction Capacitance Diode Capacitance**

Lesson 24 : **PN Junction Switching Characteristics**

Lesson 25 : **Examples of PN Junction Breakdown**

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