

Zener Diode Viva Questions With Answers

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Zener Diode Viva Questions With

ZENER DIODE LAB VIVA Questions :-1. What is a zener diode? Zener diode is a p-n junction diode specially designed for operation in the breakdown region in reverse bias condition. 2. Define what is zener voltage? The voltage at which the zener diode breaks down is called the zener voltage. 3. What is meant by the temperature coefficient?

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Zener Diode Multiple Choice Questions Answers; 41. In a Zener diode with high breakdown voltage. A. Both P and N are heavily doped. B. Both P and N are lightly doped. C. Either P or N is lightly doped. D. None of the above

Zener Diode Multiple Choice Questions Answers ...

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Zener Diode Characteristics Experiment Questions: Draw the reverse characteristics of zener diode and determine its break down voltage. Viva Questions: 1. What are break down diodes or zener diodes? Diodes which are designed with adequate power dissipation capabilities to operate in the break down region are called as break down or zener diodes.

Exp No:1 Diode characteristics Experiment Questions: Viva ...

Viva Questions: 1. What is the difference between p-n Junction diode and zener diode? Ans: A zener is designed to operate stably in... 2. What is break down voltage? Ans: The breakdown voltage of a diode is the minimum reverse voltage to make the diode... 3. What are the applications of Zener ...

Electronic Devices and Circuits Lab Notes: Zener Diode ...

The PN Junction Diode Viva Questions with Answers (i) What is a pn junction? A PN-junction is said to be condition when an N-type material is combined together with a P-type material creating a semiconductor diode. (ii) Give the symbol for a semiconductor diode. The 'P' side of a pn junction diode is always positive terminal and is called as anode.

EDC Lab Viva Questions with Answers - Viva Questions and ...

Zener diodes cannot be tested individually with a multimeter. It is because multimeters usually do not have enough input voltage to put the zener into breakdown region. (i) If the zener diode is working properly, the voltage V_0 across the load ($= 5 \text{ k}\Omega$) will be nearly 6V [See Fig. 10 (i)].

Solved Problems On Zener Diode - Electronics Post

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15) How the width of the depletion region in the reverse biased diode varies with the impurity concentration? 16). How the value of the potential barrier depends on the amount of doping of the semiconductor? 17). Why the silicon diode is preferred compare to germanium diode? 18). Under what condition a zener diode behaves like an ordinary p-n junction diode? 19). What is the main application of a zener diode? 4.

Physics Lab (15PHYL 17/27) Viva Questions

Download EDCLab Viva Questions with Answers, ED lab viva questions, ,Electronic Device and Circuits - Lab Viva Questions, viva question and answers for edc lab, edc lab viva questions pdf, COMPREHENSIVE VIVAQUESTIONS, ... 22. Why is a Zener diode generally not connected in forward bias?

EDC lab Viva Questions part-1 Basics ~ ECE School

What is the effect of temperature on the reverse saturation current of a diode? Reverse saturation current, theoretically, increases by 8% per °C for silicon and 11% per °C for germanium. But from experimental data it is found that that reverse saturation current increases by 7% per °C for both silicon and germanium.

300+ TOP JUNCTION DIODES Questions and Answers pdf

Viva Voce. Resources. Feedback. 1) The value of reverse current after the zener breakdown is called? Direct current. Zener current. Reverse current. ... What is true about the breakdown voltage in a Zener diode? It decreases when electric current increases. It destroys the diode. It is approximately constant.

Zener Diode (Viva Voce) : Class 12 : Physics : Amrita ...

Ans. Zener diode fabrication Zener diode is made by heavily doping of both p and n-type

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semiconductors and hence, the width of depletion layer becomes thin which lead to produce large electric field to increase the current even on applying reverse voltage of 4 or 5 V.

Important Questions for CBSE Class 12 Physics ...

The static or dc resistance of a diode is the resistance offered by it to the direct current . It is defined as the ratio of the diode voltage and current at the point of interest and is not sensitive to the shape of the V-I characteristic curve. It decreases with the increase in diode current or voltage. Question 12.

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The upper limit of current is of course dependant upon the power rating of the device. The supply voltage V_S must be greater than V_Z . One small problem with zener diode stabiliser circuits is that the diode can sometimes generate electrical noise on top of the DC supply as it tries to stabilise the voltage.

Zener Diode as Voltage Regulator Tutorial

Zener Diode Voltage Regulators S Bharadwaj Reddy June 3, 2017 December 12, 2018 Zener Diodes can be used to produce a stabilised voltage output with low ripple under varying load current conditions.

zener diode as voltage regulator viva questions Archives ...

The zener diode in the regulator circuit shown has a zener voltage of 5.8 volts and a zener knee current of 0.5 mA. The maximum load current drawn from this circuit ensuring proper functioning over the input voltage range between 20 and 30 volts is

GATE Questions on "Zener Diode" (1987 to Till Date) | GATE ...

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Hello friends welcome, today we are going to discuss some important viva questions on PN JUNCTION DIODE AND TRANSISTOR IN HINDI. in this video i have completed 20 Question most important questions ...

VIVA QUESTIONS ON PN JUNCTION DIODE AND TRANSISTOR || #PhysicsPractical #ApniPryogShala #PNjunction

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A Zener diode is a special type of diode designed to reliably allow current to flow "backwards" when a certain set reverse voltage, known as the Zener voltage, is reached.. Zener diodes are manufactured with a great variety of Zener voltages and some are even variable. Some Zener diodes have a sharp, highly doped p-n junction with a low Zener voltage, in which case the reverse conduction ...

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