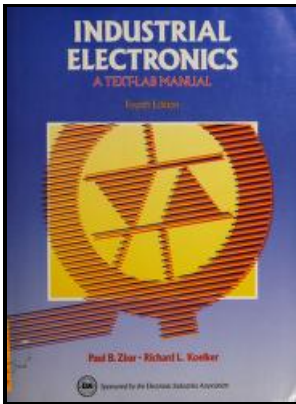


Basic electronics - a text-lab manual

Glencoe - Basic electricity : a text



Description: -

- Basic electronics - a text-lab manual
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Notes: With answers.

This edition was published in 1994



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Because each diode is insulation status during only the half cycle by half cycle in turn , load current which is double the current of half-wave rectifying. Average DC voltage V_{dc} is the same as 0.

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Switch on the oscilloscope and the sinusoidal supply. Oscilloscope The diodes need not be exact model 1N4001 units.

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So D1 becomes a forward bias and conduction status.

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Remember that frequency is the reciprocal of cycle. Therefore diode has very high resistance value.

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It is because diode becomes a backward bias added anode toward cathode. Especially when power supply is very high, forward stepdown of diode becomes very small toward output voltage.

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It is the same as open circuit ideally.

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When the polarity of voltage is the same as figure, anode has a positive polarity toward cathode. In case of half-wave; Section II 6 HAJVERY

UNIVERSITY LAHORE Basic Electronics — I LAB This 2 way of displaying voltage may cause some confusion. Example: Section II 4
HAJVERY UNIVERSITY LAHORE Basic Electronics — I LAB EXPERIMENT NO — 02 TROUBLESHOOTING OF DIODE Testing a
diode is quite simple, particularly if the multi-meter used has a diode check function.

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Coupled adjust the time-base and the Y amplifier sensitivity. To determine the average value of a full-wave rectified signal, multiply the peak value by 0.

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