

Electronic Circuits – Assignment

03

Diode Applications I

#	Student ID	Student Name	Grade (10)
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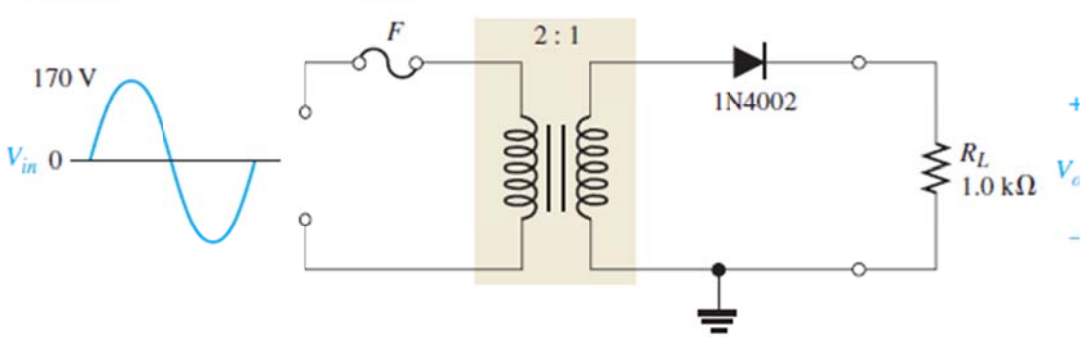
Delivery Date

1. يتم تسليم التمرين محلولا في خلال أسبوع من تاريخ التمرين، و يتم حذف درجتين من التمرين عن كل أسبوع تأخير
2. يتم التسليم لمعيد المقرر مباشرة
3. تتم أجابه التمرين في نفس ورق الأسئلة

T & False questions

#	Question	Answer
1	The two regions of a diode are the anode and the collector.	
2	A diode conducts current when forward-biased.	
3	Two types of current in a diode are electron and hole.	
4	The output frequency of a half-wave rectifier is twice the input frequency.	
5	PIV stands for positive inverse voltage.	

MCQ

#	Question	Answer
1	When a diode is forward-biased and the bias voltage is increased, the voltage across the diode (assuming the practical model) will (a) increase (b) decrease (c) not change	
2	When a diode is reverse-biased and the bias voltage is increased, the reverse current (assuming the complete model) will (a) increase (b) decrease (c) not change	
3	If the forward current in a diode is increased, the diode voltage (assuming the practical model) will (a) increase (b) decrease (c) not change	
4	If the barrier potential of a diode is exceeded, the forward current will (a) increase (b) decrease (c) not change	
5	If the turns ratio of the transformer in Figure 2–28 is decreased, the forward current through the diode will  (a) increase (b) decrease (c) not change	

