

HOMWORK ASSIGNMENT #2

Circle the correct answer.

1. A center-tap type rectifier uses_____.
 - a) One diode
 - b) Two diodes
 - c) Three diodes
 - d) Four Diodes

2. A diode limiting circuit:
 - a) Removes part of the input voltage
 - b) Inserts a dc level voltage
 - c) Produces an output equal to the average value of the input voltage
 - d) Increases the peak value of the input voltage

3. During the positive half-cycle of the input voltage in a 4 diode bridge rectifier,
 - a) One diode is forward biased
 - b) All diodes are forward biased
 - c) All diodes are reverse biased
 - d) Two diodes are forward biased

4. The process of adding impurity atoms to a pure semiconductor material is called:
 - a) recombination
 - b) crystallization
 - c) bonding
 - d) doping

5. If a single diode in a center tapped full wave rectifier opens, the output is:
 - a) 0V
 - b) Half wave rectified
 - c) Increased in amplitude
 - d) Not affected

6. A zener diode is always used in the forward-biased condition.
 - a) True
 - b) False