6. When PN junction is in forward bias, by increasing the battery voltage

A. Circuit resistance increases
B. Current through P-N junction increases
C. Current through P-N junction decreases
D. None of the above happens

✓ View Answer

B.Current through P-N junction increases

✍ Your Comments

7. When a PN junction is reverse-biased

A. Holes and electrons tend to concentrate towards the junction
B. The barrier tends to break down
C. Holes and electrons tend to move away from the junction
D. None of the above

✓ View Answer

C.Holes and electrons tend to move away from the junction

✍ Your Comments

8. In a PN junction when the applied voltage overcomes the ..... potential, the diode current is large, which is known as .....

A. Depletion, negative bias
B. Reverse, reverse bias
C. Resistance, reverse bias
D. Barrier, forward bias

✓ View Answer

D.Barrier, forward bias

Your Comments

9. A PN junction is said to be forward biased when

A. Positive terminal of the battery is connected to P-side and the negative side to the N-side
B. Junction is earthed
C. N-side is connected directly to the p-side
D. Positive terminal of the battery is connected to N-side and the negative side to the P-side

✓ View Answer

A.Positive terminal of the battery is connected to P-side and the negative side to the N-side

Your Comments

10. A PN junction

A. Has low resistance in forward as well as reverse directions
B. Has high resistance in forward as well as reverse directions
C. Conducts in forward direction only
D. Conducts in reverse direction only

✓ View Answer

C.Conducts in forward direction only