

For More Questions [Click Here](#)

1. A crystal diode has

- one pn junction
- two pn junctions
- three pn junctions
- none of the above

ANS: 1

2. A crystal diode has forward resistance of the order of

- k Ω
- Ω
- M Ω
- none of the above

ANS: 2

**3. If the arrow of crystal diode symbol is positive w.r.t. bar, then diode is
biased.**

- forward
- reverse
- either forward or reverse
- none of the above

ANS: 1

4. The reverse current in a diode is of the order of

- kA
- mA
- μ A
- A

ANS: 3

5. The forward voltage drop across a silicon diode is about

- 2.5 V
- 3 V
- 10 V
- 0.7 V

ANS: 4

6. A crystal diode is used as

- an amplifier
- a rectifier
- an oscillator
- a voltage regulator

ANS: 2

7. The d.c. resistance of a crystal diode is its a.c. resistance

- the same as
- more than
- less than
- none of the above

ANS: 3

8. An ideal crystal diode is one which behaves as a perfect when forward biased.

- conductor
- insulator
- resistance material
- none of the above

ANS: 1

9. The ratio of reverse resistance and forward resistance of a germanium crystal diode is about

- 1 : 1
- 100 : 1
- 1000 : 1
- 40,000 : 1

ANS: 4

10. The leakage current in a crystal diode is due to

- minority carriers
- majority carriers
- junction capacitance
- none of the above

ANS: 1