**BEEE**

1. Diodes have \_\_\_\_\_\_\_\_ number of terminals.
2. What are terminal names of diode \_\_\_\_\_\_\_\_\_\_.
3. The material has more than 4 electrons in outer most orbit is called as \_\_\_\_\_\_\_\_\_\_.
4. All di-electric materials are earlier \_\_\_\_\_\_\_\_\_\_\_.
5. Transistor is a \_\_\_\_\_\_\_\_\_ terminal device.
6. The terminal names of transistor are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. The process of adding impurity to semiconducting material is called as \_\_\_\_\_\_\_\_\_.
8. To obtain entire semi conducting material\_\_\_\_\_\_\_\_\_\_ impurity is added.
9. To obtain p-type semiconducting material\_\_\_\_\_\_\_\_\_impurity is added.
10. During reverse bias of the diode width of the depletion layer is \_\_\_\_\_\_\_\_\_\_.
11. The width of the collector layer in the transistor is \_\_\_\_\_\_\_.
12. The concentration of emitter layer is a transistor is \_\_\_\_\_\_\_.
13. Most co used transistor is \_\_\_\_\_\_.
14. Transistor connected in \_\_\_\_ number of configurations.
15. The most commonly used configuration of the transistor is \_\_\_\_\_\_\_\_\_.
16. For the amplification purpose \_\_\_\_\_\_\_\_\_\_\_\_ configuration is used in general.
17. The gain of an amplifier is \_\_\_\_\_\_\_\_\_\_\_\_.
18. The Zener diode front bias characteristics are similar to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ diode.
19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ diode is used as voltage regulator.
20. According to the construction transistor are \_\_\_\_ types.
21. Transistors conduct electrons and holes are called \_\_\_\_\_.
22. The unipolar junction transistor conducts with \_\_\_\_\_\_\_\_\_\_.
23. In CB configuration output current Ic = \_\_\_\_\_\_\_\_\_\_.
24. In CC configuration input current Ie  = \_\_\_\_\_\_\_\_\_\_\_.

25. The direction of current flows in a transistor is \_\_\_\_\_\_\_\_\_\_\_ to direction of electron charge.

**Answers**

1. Two
2. Anode and cathode
3. Insulator
4. Insulators
5. Three
6. Emitter,base,collector
7. Doping
8. Pentavalent

9. Trivalent

10.increased

11.large

12.heavily doped

13.n-p-n

14.three

15.common emitter configuration

16.common emitter

17.more than 1

18.P-N junction

19.zener

20.two

21.BJP

22.either holes or electrons

23.

24.

25.opposite