

31. The electrons in conduction band are free to
- A. Transport vibrations
 - B. Transport signals
 - C. Transport charge
 - D. Transport impulses

Answer: Option C

-
32. Which one has the greatest energy gap ?
- A. Semi conductor
 - B. Conductor
 - C. Metals
 - D. Non metals

Answer: Option D

-
33. Many of the semi conductors are crystals of the type
- A. Face centred cubic
 - B. Body centred cubic
 - C. Simple cubic
 - D. All of the above

Answer: Option A

-
34. With increase in temperature the electrical conductivity of intrinsic semi conductor
- A. Decreases
 - B. Increases
 - C. Remains same
 - D. First increases then decreases

Answer: Option B

-
35. Holes can exist in
- A. Conductors
 - B. Insulators
 - C. Semi conductors
 - D. All of the above

Answer: Option C

-
36. On the basis of band theory of solids the semiconductors have

- A. A partly filled valence band and totally empty conduction band
- B. A completely filled valence band a totally empty conduction band and a very wide forbidden band
- C. A completely filled valence band a partially filled conduction band and a narrow forbidden band
- D. A partly filled valence band a totally empty conduction band and a wide forbidden band

Answer: Option C

37. In a semiconductors the charge carriers are

- A. Holes only
- B. Electrons only
- C. Electron and holes both
- D. All of the above

Answer: Option C

38. The net charge on n-type material is

- A. Positive
- B. Negative
- C. Both positive and negative
- D. Neutral

Answer: Option D

39. Very weak magnetic fields are detected by

- A. Squids
- B. Magnetic resonance imaging (MRI)
- C. Magnetometer
- D. Oscilloscope

Answer: Option A

40. Energy needed to magnetize and demagnetize is represented by

- A. Hysteresis curve
- B. Hysteresis loop area
- C. Hysteresis loop
- D. Straight line

Answer: Option B

Techofworld.In