

1. Electrons present in p-type material due to thermal pair generation are
- A. majority carriers
 - B. minority carriers
 - C. dual carriers
 - D. blockers

Answer: Option **B**

2. Semi-conductors with donor atoms and free electrons belong to the type
- A. n
 - B. p
 - C. mix
 - D. any of above

Answer: Option **A**

3. Semi-conductor germanium and silicon are
- A. pentavalent
 - B. trivalent
 - C. divalent
 - D. tetravalent

Answer: Option **D**

4. Acceptor and donor impurities donate
- A. n-carriers only
 - B. p-carriers only
 - C. p-carriers and n-carriers respectively
 - D. n-carriers and p-carriers respectively

Answer: Option **C**

5. p-n junction when reversed biased acts as a
- A. capacitor
 - B. inductor
 - C. on switch
 - D. off switch

Answer: Option **D**

6. In p-n-p transistor the collector current is
- A. equal to emitter current
 - B. slightly less than emitter current

