

## Chapter 18: Electronics

- 1: Any logical expression can be realized using only
- a) AND gate                      b) NAND gate                      c) AND, OR, NOT gate                      d) NOT gate

- 2: In n-type materials, the minority carriers are
- a) Free electrons                      b) Holes                      c) Protons                      d)

### Mesons

- 3: If both the inputs are low, the output is high for
- a) OR gate                      b) AND gate                      c) XOR gate                      d) NOR gate

- 4: When a silicon crystal is doped with a pentavalent element, it becomes
- a) P-type                      b) n-type                      c) Intrinsic                      d) Extrinsic

- 5: The base in a transistor is of the order of
- a)  $10^{-6}$  m                      b)  $10^{-4}$  m                      c)  $10^{-3}$  m                      d)  $10^{-1}$  m

- 6: Conversion of A.C into D.C is called
- a) Modulation                      b) amplification                      c) Oscillation                      d)

### Rectification

- 7: The output voltage of rectifier is
- a) Smooth                      b) pulsating                      c) perfectly direct                      d) alternating

- 8: A light emitting diode (LED) emits light only when
- a) Reverse biased                      b) Forward biased                      c) unbiased                      d) None of

these