

SECTION – II

- 4 A. Write short note on following: (any three) [12]
a. Number system
b. Characteristics of computer
c. Lower level Language
d. Scanner
- B. [06]
a. simplify following Boolean Equation:
 $ABC + A'BC + AB'C + ABC' + AB'C' + A'BC' + A'B'C'$
b. Prove by perfect Induction method:
 $XY + YZ + Y'Z = XY + Z$
- 5 A . What is Flip flop? Explain S-R Flip flop. [08]
B Explain Decoder [08]
OR
B. Explain Encoder
- 6 Write short note on any Four: [16]
a. Multi Plexer
b. Access Time & Cycle Time
c. Implied Mode & Register Mode
d. Sequential circuit
e. Define following:
i. ASCII
ii. ROM
iii. BIOS
iv. EDCBIC