

SECTION B

2. Explain any five addressing modes with suitable example.
3. Explain the various phases of instruction cycle with the help of flowchart.
4. What are microinstructions? Explain microinstruction format in detail.
5. How asynchronous data transfer is achieved with the help of handshaking method?
6. Explain the basic components of memory management unit.

SECTION C

7. What is mapping in context of cache memory? Explain three types of mapping procedures used in cache memory.
8. What are the benefits of parallel processing? Explain Flynn's classification for parallel computers.
9. What are shift micro operations? Design 4 bit combinational circuit for shifter.