**Module - 4**

1. Explain registers with a block diagram.

2. Explain register transfer with a block diagram & timing diagram.

3. Explain common bus system using i) Multiplexers ii)Tri-state buffers.

4. Briefly explain memory transfer with examples each.

5. Explain types of arithmetic micro-operations with a neat diagram.

6. Explain how data transfer between memory-to-register and register-to-memory with an example.

7. Define i) Register transfer language (RTL).

ii) Micro operation.

iii) Register.

iv)Replacement operator.

8. Briefly explain different types of micro-operations.

9. Differentiate between read operation and write operation in memory transfer with example.