1. Explain CALL and RET instruction.(ch 3)

2. Explain demultiplexing multiplexed address bus and data bus.(ch 2)

3. What is stack and explain PUSH instruction (ch 3)

4. Explain RIM and SIM instruction. (ch 3)

5. Draw the memory Read timing diagram (ch 2)

6. Draw the timing diagram of opcode fetch cycle.

7. Write an assembly language program to find largest number from ten data, stored from 2050h onwards.

8. Write an assembly language program to find odd number and even number from array of 10 data stored at location 2000h onwards.

9. Write an assembly language program to find no 1’s and 0’s of data stored at memory location 2050h.

10. Explain Main Memory.

11. Explain Virtual Memory.

12. Explain cache memory with any one mapping technique.

13. Explain Associative Memory.

14. List out modes of Data Transfer. Explain any two modes of Data Transfer.

15. Explain I/O Interface.

16. What is IOP? Explain CPU-IOP Communication.