

THE REPORT OF THE PROPERTY

- Explain the internal organization of memory chips with example. (08 Marks) a.
 - b. Explain the internal organization of $2M \times 8$ DRAM chip with neat diagram. (08 Marks) (04 Marks)
 - Write a short note on ROM.

c.

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OR

Discuss about the use of cache memory in the processor system. (08 Marks) 8 a.

What is virtual memory? Explain its organization with neat diagram. (08 Marks) b. (04 Marks)

Write a short note on magnetic hard disk. c.

Module-5

- Explain single-bus organization of the data path inside a processor with neat diagram. 9 a. (10 Marks)
 - Explain the process of fetching a data word from memory using respective registers of a b. (10 Marks) processor with neat diagram.

OR

- Explain the control signal generation required for proper sequence of instructions in the 10 a. (10 Marks) processor.
 - b. What is microprogrammed control? Explain its basic organization with suitable diagram and example. (10 Marks)