5. (a) Write short notes on RAM and ROM chips.

                    Or

    (b) Explain time shared common bus with its
         structure.

            PART B — (5 × 10 = 50 marks)

              Answer any FIVE questions.

6. Briefly explain arithmetic micro operations.

7. Describe data types with example.

8. Explain data transfer and manipulation mnemonic
    codes.

9. Write in detail about RISC.

10. Discuss about multiplication algorithms with
    flowcharts.

11. Briefly explain decimal arithmetic operations.

12. Explain priority interrupt.

13. Write in detail about virtual memory.

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            2   **P/ID 17412/RBN**

OCTOBER 2013   **P/ID 17412/RBN**

Time : Three hours   Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1.   (a)   Explain fixed point representation.

Or

(b)   Describe register transfer.

2.   (a)   Explain reverse polish notation.

Or

(b)   Write short notes on parallel processing.

3.   (a)   Explain BCD (Binary coded decimal) subtraction.

Or

(b)   Explain addition and subtraction with signed-2's complement data.

4.   (a)   Describe asynchronous serial transfer.

Or

(b)   Explain daisy-chaining priority.