MCA–951	MCA-06/ PGDCA-05

M.C.A. DEGREE/P.G.D.C.A. EXAMINATION – JANUARY, 2015.

First Year

INTRODUCTION TO COMPUTER ORGANISATION

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1.   Discuss about Full Adder with circuit diagram.

2.   Explain Associative memory.

3.   Discuss about magnetic tapes.

4.   Explain logic circuit.

5.   Discuss about various addressing modes.

6.   List out different types of instruction. Explain data transfer instructions.

7.   Discuss about stack organization.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8.   Discuss about different generation of computers.

9.   What is decoder? Explain 3-to-8 Decoder.

10. Explain the block diagram of I/O module.

11. Discuss about DMA.

12. Explain   hardware   implementation   of   shift
     operation.

13. Discuss about different types of registers.

14. Write an assembly language program to subtract
     two numbers.

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