

**MCA-131****MCA-06/  
PGDCA-05**

**M.C.A. DEGREE/PGDCA EXAMINATION –  
JANUARY 2009.**

**Second Semester/First Year**

**INTRODUCTION TO COMPUTER  
ORGANIZATION**

**Time : 3 hours**

**Maximum marks : 75**

Answer for 5 marks question should not exceed  
2 pages.

Answer for 10 marks questions should not exceed  
5 pages.

**PART A — ( $5 \times 5 = 25$  marks)**

**Answer any FIVE questions.**

1. Explain about the types of Number Systems.
2. Explain about the functions of Memory.
3. Discuss Direct and Indirect Addressing.
4. What is Handshaking? Discuss.

5. Explain about Microprocessor categories.
6. Discuss about the assembly language instructions.
7. Discuss RS flip flop.

PART B — ( $5 \times 10 = 50$  marks)

Answer any FIVE questions.

8. Briefly explain about digital logic gates with truth tables.
9. Discuss in detail DMA.
10. Briefly discuss about Peripheral devices. Give examples.
11. Explain the types of Microoperations.
12. Discuss the different types of Read only Memory.
13. Discuss Error correction and detection codes. Give examples.
14. Discuss Microprocessor Architecture. Give diagrammatic illustration.