

MCA-751

**MCA-01/
PGDCA-01**

**M.C.A. DEGREE/P.G.D.C.A. EXAMINATION –
JUNE, 2010**

First Year

COMPUTER FUNDAMENTALS

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Convert the following,
 $(ABC.81)_{16} = (?)_8$.
2. Explain peripherals.
3. Explain Half Adder.
4. Explain Register Transfer.
5. Explain various types of ROM.
6. Explain Micro instruction formats.
7. Explain the Rules of Assembly language.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain Error Detection Codes with neat diagram.
9. Explain about JK and T Flip flop with characteristic table.
10. Describe about shift micro operations.
11. Explain Addressing modes in detail.
12. Explain the characteristics of Multiprocessors.
13. Explain about CISC characteristics in detail.
14. Explain about RISC pipelining.
