

**MCA-756****MCA-06/  
PGDCA-05****M.C.A. DEGREE/P.G.D.C.A. EXAMINATION –  
JUNE 2010.**

First Year

**INTRODUCTION TO COMPUTER ORGANISATION**

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain about decimal and octal number systems.
2. Explain I/O interface.
3. Explain memory hierarchy.
4. What is strobe? Explain.
5. Explain about microprocessor bus organization.
6. Discuss about the rules of the assembly language.
7. Discuss JK flip-flop.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss logic gates with truth table.
  9. Discuss in detail asynchronous data transfer.
  10. Explain the mapping process of cache memory.
  11. Discuss shift micro operation.
  12. Explain stack organization.
  13. With neat diagram discuss about microprocessor architecture.
  14. Define Bus. Explain its types.
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