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| MCA-644 | MCA-04/ PGDCA-03 |
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M.C.A./P.G.D.C.A DEGREE/DIPLOMA
EXAMINATION – JUNE 2008.

First Year/First Semester

**ELEMENTS OF SYSTEM ANALYSIS AND
DESIGN**

Time : 3 hours

Maximum marks : 75

Answer for 5 marks questions should not exceed
2 pages.

Answer for 10/15 marks questions should not exceed
5 pages.

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain the need for steering committee and Information System Committee for project review and selection.
2. Discuss in detail any one type of decision table.
3. What are the various methods that are commonly used for input verification and control?
4. Describe briefly the various classification of forms.

5. What is Bench Mark Testing? Explain.
6. Describe in detail the four methods of system conversion.
7. Briefly explain animation, morphing and warping.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss in detail the role of a System Analyst.
9. Discuss in detail form design and various factors to be considered in form design.
10. Describe in detail unit testing and system testing.
11. Explain in detail any three components of Multimedia.
12. Discuss in detail the various input media and devices used for feeding the raw data into the system.
13. What is data dictionary? Describe briefly about the different types of data dictionaries and their functions.
14. Discuss the different types of file organization with suitable examples.