



Printed Pages : 3

MCA – 205

(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 1470**

Roll No.

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**M.C.A.**

**(SEM. II) EXAMINATION, 2006-07  
SYSTEM ANALYSIS AND DESIGN  
(SPECIAL EXAMINATION)**

*Time : 3 Hours]*

*[Total Marks : 100*

- Notes :** (1) *Attempt all questions.*  
(2) *All questions carry equal marks.*

- 1** Attempt any **two** of the following : **10×2=20**
- (a) What is a system ? What is system analysis ?  
What are the elements of a system ?
  - (b) Distinguish between :
    - (i) Interaction and independence
    - (ii) Schematic and static system models.
  - (c) Discuss the concept of MIS and DSS. How are they related ? How do they differ ?
- 2** Attempt any **two** of the following : **10×2=20**
- (a) How would an analysis determine the user's needs for a system ? Explain.
  - (b) Elaborate on the technical and interpersonal skills required of system analyst. When is one skill favored over the other ? Why ?

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**1**

**[Contd...**

(c) What academic qualifications are important for systems work ? What about the personal attributes ?

**3** Attempt any **four** of the following : **5×4=20**

- (a) What planning dimensions determine information system development ? Elaborate.
- (b) Distinguish between decision table and structure chart.
- (c) What is the difference between managerial and operational MIS planning ? Discuss.
- (d) Describe the data analysis method. How does it differ from the decision analysis method ?
- (e) Illustrate the difference between input / output analysis and system flowchart. When is each tool used ?
- (f) What are data flow diagrams ? Explain.

**4** Attempt any **four** of the following : **5×4=20**

- (a) Differentiate between structured and unstructured interview techniques.
- (b) List and explain the primary steps in interviewing.
- (c) Differentiate between open ended and closed questions. Give an example of each.
- (d) Summarize the advantages and limitations of interviews and questionnaires.
- (e) What basic values are relevant to constructing a DFD ?

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**2**

**[Contd...**

(f) List and illustrate the primary uses and elements of decision table.

5 Attempt any **two** of the following : **10×2=20**

- (a) Elaborate on the steps in feasibility analysis if you were to shorten them to four steps, which ones would you pick ? Why ?
- (b) How is the scoring approach different from the art-value approach in evaluating proposals ? Illustrate.
- (c) Explain three approaches for data entry.

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