

(01/13-II)

**2204**

**P.G.D.C.A./M.C.A./M. Sc. (Comp. Sc.)  
(First Year) EXAMINATION**

(New Scheme)

**STRUCTURE SYSTEM ANALYSIS AND  
DESIGN**

**PGDCA-IV/M.Sc./MCA-DE-14**

*Time : Three Hours*

*Maximum Marks : 70*

**Note :** Attempt any *Five* questions. All questions carry equal marks.

1. (a) Define system. Give an overview of the different stages in the system development of life-cycle. 9
- (b) Explain automatic tool for system development. 5

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2. Distinguish between the following : 4+3+4+3
  - (a) Interaction and interdependence
  - (b) Physical and Abstract Systems
  - (c) Open and Closed Systems
  - (d) Schematics and Static System models.
3. What is role of system analyst ? Explain feasibility study, information gathering and structure system. 14
4. (a) What is difference between data dictionary and Pseudo code ? Illustrate. 8  
(b) Discuss some common criterion uses to measure system performances. 6
5. Define field, record and file. What are the different file organizations ? Discuss the factors deciding the selection of file organization. 14
6. What do you mean by Implementation ? How preparing for implementation ? Explain changeover and routing operations. 14

7. Differentiate between the following :
  - (a) Adaptive maintenance and corrective maintenance
  - (b) Data validation and Data verification
  - (c) Audit Trail and Documentation control
  - (d) Coupling and Cohesion. 4+3+4+3
8. What is maintenance ? What are types of maintenance ? Explain how to find cost of maintenance ? Explain using any example. 14
9. Write notes on the following :
  - (a) Logical modeling
  - (b) Top-Down design
  - (c) Physical Design
  - (d) Conceptual modeling. 4+3+4+3
10. What is system design ? How designing forms and reports ? Explain interfaces and dialogues. 14