

E 8226

M.C.A. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2005.

Second Semester

CA 144 — SYSTEM ANALYSIS AND DESIGN

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the different approaches to systems development?
2. List the four Phases of Problem Analysing and Solving?
3. What does system-planning mean?
4. Why is feasibility assessment needed?
5. Explain changeover.
6. What are the objectives of system security?
7. Why are communication skills necessary?
8. What is system audit trail?
9. What does MIS mean?
10. How can you manage IS resources?

PART B — (5 × 16 = 80 marks)

11. (i) Describe four types of information systems. (8)
- (ii) Describe the information systems development life cycle (SDLC). Discuss alternatives to the systems development life cycle? (8)

12. (a) Discuss the methods of investigation? How will you record the investigation feasibility assessment?

Or

- (b) Explain system planning.

13. (a) Explain the following :

- (i) Database Design. (4)
- (ii) Computer procedure design. (4)
- (iii) File Design. (4)
- (iv) Output and input design. (4)

Or

- (b) Discuss form design, dialogue design, code design. (16)

14. (a) What are the problems in communication written reports? Discuss the principles of report writing with structure? What is standard documentation?

Or

- (b) Write notes on the following :

- (i) Study proposal. (4)
- (ii) System proposal. (4)
- (iii) User manual. (4)
- (iv) Operational manual. (4)

15. (a) Give the conceptual foundation of MIS? Bring out the survey of IS technology.

Or

- (b) How will you implement and manage IS resources?
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