

A system analyst plays a critical role in the development and implementation of information system within an organization performed by a system analyst

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Organization performed by a system analyst

① Requirements gathering **2024**

② System design **(Session : 2023-26)**

Time : 3 hours

Full Marks : 50

③ Feasibility study Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

④ Support and maintenance Answer six questions in which Q. No. 1 and 7 are compulsory.

⑤ Project management 1. Why system analyst needs to be hired in an organization? ✓ 5

2. Explain software development life cycle in brief. ✓ 10

3. List the advantages of using systems analysis and design techniques in approaching computerized information systems for business. 10

4. Compare and contrast context diagram with zero level diagram. 10

JT - 4/1

(Turn over)

5. What are the uses of decision trees in systems analysis ? 10 ✓

6. What four elements must be known for the systems analyst to design systems for structured decisions ? 10

7. What are the advantages of organizing data storage using a database approach ? 5

8. Distinguish between initial investigation and feasibility study. In what way are they related ? 10 ✓

9. What cost elements are considered in cost/benefit analysis ? Which element do you think is the most difficult to estimate ? 10 ✓

10. Discuss various cost estimation techniques. 10 ✓

11. Briefly explain the procedure and makeup of the post-implementation review. Can one perform maintenance on a system without a post implementation review ? Why ? 10

