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System Concept – Characteristics – Elements of System – Types of System – Modern Approach to System Analysis and Design – System Development Life Cycle – Approaches to Improving Development – Tools for System Development – Succeeding as a System Analyst – Skills – Managing the Project.
- 2. System Analysis 9**

Determining System Requirements – Traditional Methods - Modern Methods – Radical Methods – Structuring System Requirements – Process Modeling – Data Flow Diagramming – Logic Modeling – Conceptual Data Modeling – E-R Modeling.
- 3. System Design 9**

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- 4. IMPLEMENTATION AND MAINTENENCE 9**

System Implementation – Software Application Testing – Installation – Documentation – Training and Support – Organizational Issues in Systems Implementation – Maintaining Information System – Conducting System Maintenance.
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Rapid Application Development – Components of RAD – Approaches to RAD – Advantages and Disadvantages – Object Oriented Analysis and Design - Object Oriented Development Life Cycle – The Unified Modeling Language – Object Modeling – Dynamic Modeling – Process Modeling – Analysis versus Design.

**TOTAL = 45**

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