System Analysis and Design

SOURCE: 01	System Analysis and Design
01	Project Initiation
02	Feasibility Analysis
03	Project Selection
04	Development Methodologies
05	Project Management
06	Managing the Schedule
07	Managing Scope and Risk
08	Managing Team Work
09	Analysis Phase
10	Requirement Types and Documentation
11	Requirement Gathering Techniques
12	Requirement Analysis Strategies
13	What is a Use Case
14	Approaching Use Case Analysis
15	Use Case Elements and Styles with an Example
16	Vision for Data Flow Diagrams and ER-Diagram
17	Elements of a DFD
18	DFD Levels and Checking Quality
19	Design Phase Overview
20	Acquisition Tools
21	Acquisition Strategies
22	Architecture Design
23	Non-Functional Requirements Revisited
24	HW-SW Specification
25	UI Principles
26	UI Design Process
27	Navigation Mechanism
28	Input Output Mechanisms
29	Logical To Physical
30	Program Design
31	Moving to Implementation
32	Managing The Programming Process
33	Software Testing
34	Documentation
35	Post-Implementation
36	Migration
37	Conversion Strategies
38	Change Management
39	Characteristics of the OO Approach
40	UML
SOURCE: 02	**System Analysis and Design**
01	Introduction, Definition and Characteristics of System
02	Elements of System with Notes
03	Types of System with Notes
04	System Analyst Skills and Responsibilities with Notes
05	System Development Life Cycle SDLC with Notes
06	Requirement Analysis with Notes
07	Feasibility Study with Notes
08	Information Gathering Tools Part-1
09	Information Gathering Tools Part-2
10	Cost Benefit Analysis with Notes
11	Input Design
12	Output Design
13	Introduction to Modular and Structural Design
14	Top Down, Bottom Up Approach, Module Attributes and Types
15	Tools for Structured Design
16	Design Considerations
17	Coupling and Its Types
18	Coupling

19	Cohesion
20	Relationship Between Coupling and Cohesion
21	Introduction to Testing
22	Types of Testing Part-1
23	Types of Testing – Functional Testing
24	Types of Testing – Non-Functional Testing
25	System Testing
26	System Implementation
27	Quality Assurance
28	Documentation
29	Concept, Importance and Types of System Maintenance
30	System Flow Chart
31	Data Flow Diagram (DFD)
32	Data Dictionary
33	Decision Tree
34	Decision Table
SOURCE: 03	**System Analysis and Design**
01	What is System Analysis | What is System Design
02	What is System | Elements of System
03	What is System | Types of System in SAD
04	Who is System Analyst | His Qualities, Role and Responsibilities
05	What is SDLC | Phases of SDLC | Importance of SDLC
06	What is Feasibility Study | Types of Feasibility Study
07	What is SRS Document | Feature or Characteristics of a Good SRS
08	What is Structured Analysis | What is Structured Design
09	What is Data Flow Diagram (DFD) | Types of DFD | Levels of DFD
10	What is Data Dictionary | Types of Data Dictionary and Advantages
11	What is Entity Relationship Diagram (ERD) | What is ER-Model
12	SDLC Models | What is Waterfall Model | Advantages and Disadvantages
13	What is Iterative Model | When to Use | Advantage and Disadvantage
14	What is Prototype Model | When to Use | Advantage and Disadvantage
15	What is Spiral Model | When to Use | Advantage and Disadvantage
16	What are Information Gathering Tools
17	Cost Benefit Analysis | Perform Cost Benefit Analysis
18	Decision Tree | Decision Table
19	Software Testing | Need of Software Testing and Importance
20	Types of Software Testing | White Box Testing | Black Box Testing
21	Functional Testing | Non-Functional Testing
22	What is Software Design | Basic Principle of Software Design
23	Coupling and Cohesion