

## Tutorial 2: SAD: Questions based on Unit 1 (portfolio), Unit 2 and Unit 3

Prof. (Dr.) Priti Srinivas Sajja

1. List three approaches of systems analysis and design.
2. Give full form of SDLC and describe its phases in detail.
3. Difference between
  - *Open and closed systems*
  - *Open and closed end questionnaire*
  - *Structured and unstructured interview*
  - *Physical and Logical DFD*
  - *End user development application and institutional application development*
4. Explain how information systems project begun?
5. List 5 Cs of project initiation.
6. Define and discuss portfolio.
7. List and explain methods of portfolio integration.
8. List committees that manage information systems portfolio. Explain any one in detail.
9. List and explain all three feasibility tests.
10. What is requirement?
11. Explain process of requirement determination.
12. Explain: “*Requirement anticipation is a mixed blessing*”.
13. How requirement are investigated? List all and explain one method in detail.
14. List tools for systems requirement specification. Explain one in detail.
15. Give structure of decision table. Explain it with one example.
16. Convert the example of decision table discussed in class into structured English.
17. What is DFD? What is Context Level DFD? Explain with an example of a context level DFD.
18. What is FDD? Why is it used?
19. What is DD? Why is it used?
20. FDD, Context Level and detailed DFD’s for various systems like
  - Bank (ATM) transaction system
  - Student admission System
  - Hospital management systems
  - Library management system
  - Inventory management system for a given product

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