

Tutorial Unit 3 (System Analysis and Design)
PGDCA I Semester
PS01CDC35: Foundation of Software Development
Prof. Priti Srinivas Sajja

Short Questions/Objective Questions

1. What is system?
2. Give two examples of systems.
3. What are the components of a system?
4. What is an open system?
5. What is a close system?
6. Define boundary of a system.
7. Define physical boundary of a system.
8. Define logical boundary of a system.
9. Draw only a general diagram of a system.
10. List only users of system.
11. Define systems analysis.
12. Define system design.
13. List only the three approaches of system development.
14. Give full form of SDLC.
15. List only the steps of SDLC.
16. Define prototype.
17. List only the steps of prototype.
18. Define FDD and DFD.
19. Define DD.
20. List two uses of DD.

Big Questions

1. Define system. Draw general diagram of a system and explain it in detail.
2. Differentiate open system and close system.

3. List categories of system and discuss each category in one to two lines.
4. Write a short note on SDLC.
5. Explain process of requirements anticipation, requirement investigation, and requirement specification.
6. Draw diagram of prototype and explain it as a system development approach.
7. Develop FDD for a library management system.
8. Develop context level DFD for a library management system.
9. Develop FDD for an inventory management system.
10. Develop context level DFD for an inventory management system.
11. Draw symbols of DFD by both the methods with their descriptions.
12. Differentiate physical and logical DFDs.
13. Explain what is DD. What are the components of DD. List two uses of DD.