



QP CODE: 25019324



Reg No :

Name :

**BCA DEGREE (CBCS)) REGULAR/ IMPROVEMENT/ REAPPEARANCE / MERCY
CHANCE EXAMINATIONS, FEBRUARY 2025**

Fourth Semester

Bachelor of Computer Application

Core Course - CA4CRT03 - SYSTEM ANALYSIS AND SOFTWARE ENGINEERING

2017 Admission Onwards

E5BB2AE5

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What are products?
2. What are the functions of a System Analyst?
3. Explain the documentation manuals in a software.
4. Distinguish the terms deliverables and milestones.
5. Explain SDD.
6. What is a stake holder?
7. What is Software interface?
8. Explain development complexity.
9. What is stamp coupling?
10. What is quality criteria?
11. Which are the basic constructs of flow graph?
12. Why the involvement of customers is required during validation testing?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain guidelines for organization chart.





14. Explain the difference between closed loop and opened loop.
15. Write a note on project and its associated risk in selection of a lifecycle model.
16. Explain any four data dictionary notations and their meaning.
17. Which are the functional points in function point analysis?
18. How do we transform an informal design into a detailed design?
19. List a few well -established function oriented software design techniques.
20. What is mutation testing?
21. Explain Boundary Value Analysis.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Compare Iterative model with RAD model.
23. Explain Use case diagram with an example.
24. Explain the strategies of design.
25. Explain: (a) Test case (b) Test suit (c) Design the boundary values for test cases with example

(2×15=30)

