



23106051

QP CODE: 23106051

Reg No :

Name :

**BCA DEGREE (CBCS) IMPROVEMENT / REAPPEARANCE EXAMINATIONS,
MARCH 2023**

Fourth Semester

Bachelor of Computer Application

CORE COURSE- CA4CRT03 - SYSTEM ANALYSIS AND SOFTWARE ENGINEERING

2017 Admission Onwards

1C400844

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is Management Decision Level?
2. Write a note on Design Phase.
3. What is software metric? How it is different from software measurement?
4. Explain iterative enhancement model.
5. If limited user participation is available; then which model will be selected? And why?
6. Define Requirement Engineering.
7. What is basic flow in Use case?
8. What is Context Diagram?
9. What do you mean by data dictionaries?
10. Draw a class diagram.
11. What do you know about 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. What is an organization function list? How does it relate to the organization chart?
14. Differentiate between computer information system and manual system.
15. You selected RAD model. Explain the selection.
16. What are user interfaces?
17. What are the characteristics of organic project?
18. How do we transform an informal design into a detailed design?
19. Explain the important properties of a modular system.
20. Distinguish between alpha testing and beta testing.
21. Discuss the steps for data flow testing.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. What do you mean by software engineering? Discuss.
23. Explain the activities during Project Planning.
24. Explain Capability Maturity Model.
25. Explain: (a) Test case (b) Test suit (c) Design the boundary values for test cases with example.

(2×15=30)

