



QP CODE: 22101360



22101360

Reg No :

Name :

**BCA DEGREE (CBCS) IMPROVEMENT / REAPPEARANCE EXAMINATIONS,
MAY 2022**

Fourth Semester

Bachelor of Computer Applications

Core Course - CA4CRT03 - SYSTEM ANALYSIS AND SOFTWARE ENGINEERING

2017 Admission Onwards

9FF16FA1

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Differentiate Hardware and Software.
2. Define Decision Support System.
3. Explain the term: software doesnot wear out.
4. Explain the terms productivity and effort.
5. Write a note on Build and Fix model.
6. Explain different typesof interviews.
7. What is Context Diagram?
8. Differentiate static and dynamic models.
9. What are the different types of cohesion?
10. What is quality factors?
11. What do you mean by special value testing?
12. Which are the basic constructs of flow graph?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Define and relate the terms of system analysis and system analyst to the SDLC.





14. Why a system analyst be referred as a life-cycle manager?
15. Differentiate between increment process models and evolutionary models.
16. What are user interfaces?
17. What do you mean by Lines of codes?
18. Explain the objectives of software design.
19. List a few well - established function oriented software design techniques.
20. Explain cause Effect Graphing techniques.
21. What are the requirements of validation testing? Explain.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain the evolutionary proces models.
23. What is requirement engineering? What are the steps in requirement engineering?
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)

