



21100810

QP CODE: 21100810

Reg No :

Name :

BCA DEGREE (CBCS) EXAMINATION, MARCH 2021

Fourth Semester

Bachelor of Computer Application

Core Course - CA4CRT03 - SYSTEM ANALYSIS AND SOFTWARE ENGINEERING

2017 Admission onwards

A8D8B644

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Distinguish Feedback and Control
2. What are the Life Cycle Phases?
3. Write about the term module.
4. Differentiate product and process.
5. List out the drawbacks of waterfall model?
6. What is Software interface?
7. What are External interface files?
8. Explain development complexity.
9. What is conceptual design?
10. What are the uses of reliability studies?
11. What is robustness testing?
12. Write about path testing.

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Explain Business Information System.
14. Explain functions of system analysis.
15. Write a note on project and its associated risk in selection of a lifecycle model?
16. Why requirements are difficult to uncover?
17. What is Quality function deployment?
18. Explain about problems arise if a module has low cohesion.
19. Why is it important to use different notations to describe software designs?
20. Explain Verification and validation in detail.
21. Discuss about integration techniques in detail.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Compare Iterative model with RAD model.
23. Explain various steps for requirement analysis.
24. Explain steps to analyze and design Object Oriented System.
25. Explain: (a) Acceptance testing (b) Functional testing

(2×15=30)

