

QP CODE: 19101350



Reg No : .....  
Name : .....

**BCA DEGREE (CBCS) EXAMINATION, MAY 2019**

**Fourth Semester**

Bachelor of Computer Application

**Core Course - CA4CRT03 - SYSTEM ANALYSIS AND SOFTWARE ENGINEERING**

2017 Admission onwards

46071D27

**Maximum Marks: 80**

**Time: 3 Hours**

**Part A**

Answer any **ten** questions.

Each question carries **2** marks.

1. What is Business Information System?
2. Define Organization Chart
3. Differentiate a program and a software?
4. Distinguish the terms deliverables and milestones.
5. Explain RAD?
6. What are use case Scenarios?
7. What do you mean by scope in SRS?
8. How many aspects of adjustment factors are considered in determining adjustment factors?
9. What is data flow diagram?
10. List the four types of diagrams.
11. Is complete testing of a software possible? Explain why?
12. What is beta testing?

(10×2=20)

**Part B**

Answer any **six** questions.

Each question carries **5** marks.

13. Explain management review of the life-cycle activities
14. What is the meaning of the term baseline document? Name and describe the three baseline documents
15. After every cycle a usable product should be given to customer; which model will be chosen? Explain?
16. Differentiate functional and non-functional requirements.





17. What is intermediate COCOMO?
18. Explain the difference between a flow chart and a structure chart.
19. Explain the various software quality factors and criteria.
20. Explain decision-table testing
21. Explain unit testing and integration testing

(6×5=30)

### Part C

Answer any **two** questions.

Each question carries **15** marks.

22. If user have no previous experience of participation in similar projects; which all lifecycle models will be chosen? Explain it.
23. Explain DFD with an example
24. With a neat block diagram explain the design framework of software design
25. Explain:
  - (a) Path testing
  - (b) Data flow testing

(2×15=30)

