22102700

QP CODE: 22102700

Reg No : .....

Name : .....

BCA DEGREE (CBCS) REGULAR EXAMINATIONS, AUGUST 2022

Fourth Semester

Bachelor of Computer Application

Core Course - CA4CRT03 - SYSTEM ANALYSIS AND SOFTWARE ENGINEERING

2020 Admission Only

E5C53F28

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is Computer Information System?
2. Who participates in the review of the lifecycle activities?
3. Define software Engeneering.
4. Explain the terms productivity and effort.
5. If requirements are frequently changing; which model is to be selected?
6. What is Data store in DFD?
7. What are abbreviations?
8. Wrtie the basic COCOMO equation.
9. What is design?
10. What is the relationship between cohesion and coupling?
11. What is alpha testing?
12. What do you know about equivalence partitioning?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Differentiate organization chart and organization fuction list.

14. Distinguish between external and internal information. Give some examples for each.

15. With neat diagram explain the steps in a Water fall model.

16. What is the purpose of feasibility study?

17. Which are the functional points in function point analysis?

18. Explain the differencec between object oriented and function oriented design.

19. Explain the four general ways of characterising failure occurrences in time.

20. Explain Verification and validation in detail.

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. What is requirement elicitation? Explain the types.

24. Explain the strategies of design.

25. Explain: (a) Path testing (b) Data flow testing.

(2×15=30)