QP CODE: 21102790

BCA DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

Fourth Semester

Bachelor of Computer Applications

Core Course - CA4CRT03 - SYSTEM ANALYSIS AND SOFTWARE ENGINEERING

2019 Admission only

FF51AA2C

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What are the purpose of Organization Chart?

2. Write any two characteristics of Computer Information System.

3. Explain the term reusability of components in a software.

4. Distinguish between generic and customized products.

5. Explain SDD.

6. How do we cancel a project with least work?

7. What is data dictionary?

8. What is Hardaware interface?

9. What do you mean by Pseudocode?

10. Define reliability.

11. What is software testing?

12. What is unit testing?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. distinguish between feedback and control. How do they relate to the concept of exception reporting?

14. Explain life-cycle activities.

15. Compare Water fall model and proto typng models.

16. What is Facilitated Application Specification Techniques?

17. What is Function count?

18. Explain the objectives of modular softwre design .What are effects of module cuopling and cohesion?

19. What documents should be produced on completion of the design phase?

20. Explain flow graph with an example.

21. Explain path testing.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. With a neat diagram explain the spiral model?

23. Explain the various models in COCOMO.

24. Explain the two part design process with diagram.

25. Discuss in detail about any three techniques to design test cases.

(2×15=30)