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

Name :...........................

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024
2018, 2019, 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY
B.C.A SEMESTER III - CORE COURSE (COMPUTER APPLICATIONS)
BCA3B08B18 - Software Engineering

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks   (10x2=20)

1. Illustrate the iterative model of software development.

2. Distinguish between s-type and p-type software.

3. Discuss the need of feasibility study in software engineering.

4. List any 4 desirable characteristics of a software requirement specification(SRS) document.

5. Write a short note on feasibility studies and its different types .

6. Describe real-time executives.

7. Write a note on UI design.

8. Enumerate characteristics of design process.

9. Briefly explain unit testing.

10. What is regression testing?

11. What are the different types of Maintenance?

12. What is risk? Give 2 characteristics of risks.

Part B

II. Answer any Six questions. Each question carries 5 marks   (6x5=30)

13. Explain the Software Engineering paradigms in detail.

14. Explain Behavioral model. How do we represent it?

15. Explain Functional model .

16. List and explain the criteria for evaluating system based on modularity.

17. Define coupling. Distinguish various types of coupling.

18. Briefly explain Cyclometric complexity.

19. Write a note on Regression testing.

20. Discuss the different types of maintenance in Software development process.

21. Explain the steps involved in Project estimation.

Part C

III. Answer any Two questions. Each question carries 15 marks   (2x15=30)

22. Write short note on the following: Functional Model and Behavioral Model.

23. Describe all types of coupling with examples. Distinguish it from Cohesion.

24. Write and essay about White box testing.Explain the techniques used to implement white box testing.

25. Discuss Risk management.Why is it required in software engineering?