Reg. No. : ....

Name : ....

IV Semester B.C.A. Degree (CBCSS – OBE – Regular/ Supplementary/ Improvement) Examination, April 2023
(2019 Admission Onwards)
Core Course
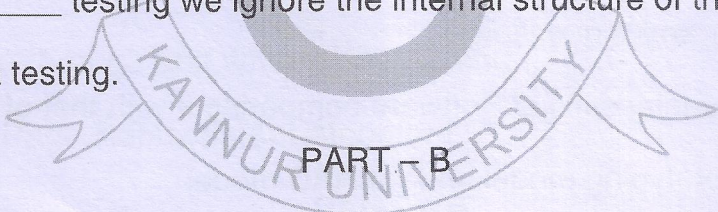4B08BCA : SOFTWARE ENGINEERING

Time : 3 Hours

Max. Marks : 40

PART – A

Short answer. Answer **all** questions.

(6×1=6)

1. What is meant by SRS ?

2. In _____ testing small modules are tested in isolation.

3. Risk management is an important feature of _____ model.

4. Actors are represented as stick figure in _____ diagram.

5. In _____ testing we ignore the internal structure of the code.

6. Explain alpha testing.

PART – B

Short essay. Answer **any 6** questions.

(6×2=12)

7. State the difference between a program and a software.

8. Explain waterfall model.

9. What is a prototype ?

10. What is meant by context diagram ?

11. List out any 4 design notations.

P.T.O.

12. What is an Object ?

13. What is a test case ?

14. What is the main difference between black box testing and white box testing ?

PART – C

Essay. Answer **any 4** questions. (4×3=12)

15. Discuss the difference between waterfall model and Increment process model.

16. What is meant by requirement elicitation? Discuss any 1 elicitation techniques in detail.

17. Explain various steps of requirement analysis.

18. Explain the importance and objectives of design phase.

19. What are the various symbols used in DFD. Explain Level0, Level1 and Level2 diagrams and its importance ?

20. Briefly explain boundary value analysis

PART – D

Long essay. Answer **any 2** questions. (2×5=10)

21. Discuss the characteristics of Software comparing it with that of the hardware.

22. Describe (a) Prototyping model and (b) RAD model.

23. Write notes on (a) use case diagram and (b) activity diagram.

24. What is structural testing ? Write notes on flow graph, DD path graph and Cyclomatic Complexity.

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