



K23U 1113

Reg. No. : .....

Name : .....

**IV Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/  
Improvement) Examination, April 2023  
(2019 Admission Onwards)  
CORE COURSE IN COMPUTER SCIENCE  
4B05CSC : Software Engineering**

Time : 3 Hours

Max. Marks : 40



**PART – A  
(Short Answer)**

Answer **all** questions.

1. What is software process ?
2. Define Program.
3. What is product matrices ?
4. Define Requirement engineering.
5. What is feasibility studies ?
6. What is requirement elicitation ?

**(6×1=6)**

**PART – B  
(Short Essay)**

Answer **any six** questions.

7. Compare product and process.
8. Define increment process model.
9. What is requirement documentation ?
10. What is requirement validation ?

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11. What is coupling ?

12. What is modularity ?

13. What is verification ?

14. What is functional testing ?

**(6×2=12)**

**PART – C  
(Essay)**

Answer **any four** questions.

15. Discuss the characteristics of a software.

16. What are the types of requirements ?

17. What is design methodology ?

18. What is function-oriented design ?

19. What is Boundary value analysis ?

20. What is equivalence class testing ?

**(4×3=12)**

**PART – D  
(Long Essay)**

Answer **any two** questions.

21. Explain waterfall model.

22. What are the various steps of requirement analysis ?

23. Explain Object Oriented Design.

24. Write a note on Cyclomatic complexity.

**(2×5=10)**

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