K22U 1548

Reg. No. : ....

Name : ....

IV Semester B.Sc. Degree CBCSS (OBE) Regular/Supplementary/ Improvement Examination, April 2022
(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 a test case ?

2. What is SRS ?

3. What is the principle of a good design ?

4. What is the outcome of a design process ?

5. What is integration testing ?

6. Define beta test.

(6×1=6)

PART – B
(Short Essay)

Answer **any six** questions :

7. Differentiate between software process and software product.

8. What are the functional requirements of a customer ?

9. What is cyclomatic complexity ?

10. Differentiate verification and validation.

11. Analysis vs Design. Comment.

12. What is economic feasibility ?

13. What is requirements validation procedure ?

14. Define Metrics.

(6×2=12)

PART – C
(Essay)

Answer **any four** questions :

15. Explain the basis of selection of a life cycle model.

16. Evolutionary vs incremental. Explain.

17. Explain requirements analysis.

18. Explain function-oriented design.

19. What are the advantages of object oriented design ?

20. Explain unit, integration and system testing.

(4×3=12)

PART – D
(Long Essay)

Answer **any two** questions :

21. Explain the Waterfall model.

22. Explain the different requirements gathering methods.

23. Explain cohesion and its types.

24. Write notes on Black Box testing.

(2×5=10)

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