

K18U 1735

Reg. No. :

Name :

V Semester B.Sc. Degree (CCSS – Supple.) Examination, November 2018
(2013 and Earlier Admissions)
CORE COURSE IN COMPUTER SCIENCE
5B08CSC : Software Engineering

Time : 3 Hours

Max. Weightage : 21

SECTION – A

Answer **all** questions. Weightage for a bunch of **four** questions is **1**.

1. A _____ diagram shows both structural and behavioural aspects explicitly.
2. _____ is a Superset of programs.
3. The process of transforming a model into a source code is called _____
4. Who is the person responsible for requirement analysis ?
5. The context diagram of a DFD is also known as _____
6. Functional testing is also known as _____
7. _____ is a simple working model of a software product.
8. Alpha testing is performed by _____ (2×1=2)

SECTION – B

Answer **any 5** questions. Weightage **1** for **each**.

9. What is a process model ?
10. What do you mean by SRS ?

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11. Define use case diagram.
12. What do you mean by test suite ?
13. What is cyclomatic complexity ?
14. What do you mean by feasibility study ?
15. What are all the requirement elicitation techniques ?
16. Give the role of object oriented modeling in requirement engineering.

(5×1=5)

SECTION – C

Answer **any five** questions. Weightage **2** for **each**.

17. Explain any three characteristics of a software process.
18. Explain modularity and information hiding.
19. Explain Acceptance testing.
20. Distinguish between verification and validation.
21. Briefly explain system testing.
22. Explain in detail about function oriented design.
23. Explain in detail object oriented design concepts.
24. Write a note on boundary value analysis.

(5×2=10)

SECTION – D

Answer **any one** questions. Weightage **4** for **each**.

25. Explain in detail Waterfall model and evolutionary process model.
26. Explain in detail unit testing and integration testing.

(1×4=4)