



K16U 1845

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS-2014 Admn.-Regular) Examination,
November 2016

CORE COURSE IN COMPUTER SCIENCE
5B08CSC : Software Engineering

Time : 3 Hours

Max. Marks : 40

SECTION - A

1. One word answer :

(8×0.5 = 4)

- Level 0 DFD is also called
- The degree of interaction between two modules is known as
- Cyclomatic complexity of a flow graph G with n vertices and e edges is
- The relationship of data elements in a module is called
- Boundary value analysis belongs to
- Alpha testing is done at
- FAST stands for
- The spiral model was originally proposed by

SECTION - B

Write short notes on any seven of the following questions :

(7×2=14)

- Define software engineering.
- What does Level 0 DFD represent ?
- What is cyclomatic complexity ?
- What are the fundamental activities of a software process ?
- What are non functional requirements ?

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7. Define design process.
8. What is a boundary value analysis ?
9. Define Verification.
10. Explain the disadvantages of classic life cycle model.
11. What are the two levels of testing ?

SECTION – C

Answer **any four** of the following questions :

(4×3=12)

12. Draw a diagram for pure waterfall life cycle.
13. What is coupling ?
14. Give the characteristics of a good design.
15. What are the contents we should contain in feasibility report ?
16. How to compute the cyclomatic complexity ?
17. What are the steps followed in testing ?

SECTION – D

Answer **any two** of the following questions :

(2×5=10)

18. Explain the different phases involved in waterfall life cycle.
19. Explain Software Requirement Specification.
20. What are the different types of Cohesion ?
21. Write short notes on black box and white box testing.