



K17U 1662

Reg. No. : .....

Name : .....

V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)

Examination, November 2017

(2014 Admn. Onwards)

Core Course in Computer Science

5B08CSC : SOFTWARE ENGINEERING

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. One word answer. (8×0.5=4)
- a) COCOMO stands for \_\_\_\_\_
  - b) The relationship of data elements in a module is called \_\_\_\_\_
  - c) Boundary value analysis belongs to \_\_\_\_\_
  - d) Acceptance testing is also known as \_\_\_\_\_
  - e) Cyclomatic complexity of a flow graph G with n vertices and e edges is \_\_\_\_\_
  - f) Level 0 DFD is also called \_\_\_\_\_
  - g) Beta testing is done at \_\_\_\_\_
  - h) \_\_\_\_\_ is a measure of the degree of interdependence between modules.

SECTION – B

Write short notes on **any seven** of the following questions. (7×2=14)

- 2. What is DFD ?
- 3. What is requirement engineering ?
- 4. Draw a diagram for pure waterfall life cycle.
- 5. What are functional requirements ?

P.T.O.





6. Define validation.
7. What is cyclomatic complexity ?
8. Why testing is important with respect to software ?
9. What is a boundary value analysis ?
10. Define design process.
11. What is equivalence partitioning ?

SECTION – C

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

(4×3=12)

12. What is cohesion ?
13. What are the objectives of requirement analysis ?
14. Distinguish between alpha and beta testing.
15. Write the disadvantages of classic life cycle model.
16. Distinguish between verification and validation.
17. How to compute the cyclomatic complexity ?

SECTION – D

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

(2×5=10)

18. Compare the following lifecycle model.
    - a) Waterfall model.
    - b) Spiral model.
  19. What is feasibility study ? What are the contents we should contain in the feasibility report ?
  20. What are the different types of Cohesion ?
  21. Define software testing. What are the steps followed in testing ?
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