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 ?

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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