Code No. 3199

FACULTY OF SCIENCE
B.Sc. V-Semester (CBCS) Examination, November / December 2018

Subject : Computer Science

Paper – IV (B) : Software Engineering   (DSE E - 2)

Time : 3 Hours

Max. Marks: 60

PART – A (5 x 3 = 15 Marks)
(Short Answer Type)
Note : Answer any FIVE of the following questions.

1. Define Software and Software Engineering.
2. Discuss how the specifications are validated and traced.
3. Explain architectural design principles.
4. Describe state machine diagram with an example.
5. Mention good coding practices.
6. Write about debugging.
7. Explain decision tree with an example.
8. Write about test case and its parameters.

PART – B (3 x 15 = 45 Marks)
(Essay Answer Type)
Note: Answer ALL questions.

9. (a) Explain software development life cycle model with a neat diagram.

OR

(b) Describe SRS structure in detail according to IEEE standards.

10. (a) Explain object oriented design model.

OR

(b) What is a sequence diagram? Explain sequence diagram for banking system.

11. (a) Explain black box testing.

OR

(b) Describe defect density testing metrics.

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