

**1102****Code : 15CS51T***Register  
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**V Semester Diploma Examination, April/May-2019****SOFTWARE ENGINEERING****Time : 3 Hours ]****[ Max. Marks : 100**

- Instructions :** (i) Answer any **six** questions from Part – A. Each carries **5** marks.  
(ii) Answer any **seven** full questions from Part – B. Each carries **10** marks.

**PART – A**

1. Explain the basic driving factors for software Engineering. 5
2. Explain desirable characteristics of an SRS. 5
3. Explain the role of software Architecture. 5
4. Explain project scheduling and staffing with an example. 5
5. Explain measurements in project monitoring plan. 5
6. Define Cohesion. Explain the different levels of Cohesion. 5
7. Explain the terms Error, Fault, Failure, Test case and Test suite. 5
8. Define DevOps. Discuss the goals of DevOps. 5
9. Explain DevOps tool chain. 5

**PART - B**

10. Explain waterfall model with a neat diagram. 10
  11. Describe Time boxing model with a neat diagram. 10
  12. Explain the components of SRS. 10
  13. Explain use case scenario with an example. 10
  14. Explain Cocomo model. 10
  15. Explain components and connectors with a neat diagram. 10
  16. Describe structured design methodology for function oriented design. 10
  17. Explain object oriented design methodology. 10
  18. Explain coding standards. 10
  19. Illustrate Test Driven Development (TDD) with a neat flowchart. 10
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