1224

Code : 15CS51T

V Semester Diploma Examination, Nov./Dec. 2018

SOFTWARE ENGINEERING

Time : 3 Hours]   **[Max. Marks : 100**

Instructions :   (1)   Answer any **six** questions from Part – **A**. Each carries **5** marks.

   (2)   Answer any **seven** questions from Part – **B**. Each carries **10** marks.

PART – A

1.   Explain cost, schedule and quality of a software.   **5**

2.   List various software development process models.   **5**

3.   Explain prototyping model of software development model.   **5**

4.   What are the desirable characteristics of SRS ?   **5**

5.   Explain the role of software architecture.   **5**

6.   Describe Peer-to-Peer architectural style.   **5**

7.   Explain C & C view.   **5**

8.   Define UML. List different types of UML models.   **5**

9.   Explain any five coding standards.   **5**

PART – B

10. Discuss Rational Unified Process (RUP) Model with a neat diagram.   **10**

11. Discuss the components of SRS.   **10**

12. Explain use case scenario with an example.   **10**

13. Explain different architectural styles for component and connector view.   **10**

14. Explain Quality Planning.   **10**

15. Explain different types of coupling between the modules.   **10**

16. Describe Structured Design Methodology for function-oriented design.   **10**

17. Explain Test Driven Development with a neat flow chart.   **10**

18. Discuss different levels of Testing & goals of each levels.   **10**

19. (a) Define Devops. Discuss its goals.   **5**

    (b) Explain benefits of Devops.   **5**