SL-465

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Seat No.	

S.E.(Computer Science and Engineering) (Semester-IV) (Revised) Examination, May - 2017
SOFTWARE ENGINEERING
Sub. Code : 63535

Day and Date : Friday, 05-05-2017 **Total Marks : 50**
Time : 9.00 a.m. to 11.00 a.m.

Instructions :
1) **Attempt one questions from Q. 1 and Q.2.**
2) **Q.3.and Q.6 are compulsory.**
3) **Attempt one question from Q.4 and Q.5.**

Q1) a) What is software development process model? Explain the iterative development model. **[6]**

b) Explain PCMM model with an appropriate figure. **[6]**

Q2) a) Define SRS and list desirable qualities of an SRS. Explain the functional requirements documentation in SRS. **[6]**

b) What is a formal technique? Explain the syntactic domain, semantic domain and satisfaction relation of a specification language. **[6]**

Q3) a) Explain the relationship between project management process and the development process with necessary figure. **[7]**

b) What is a project plan? Explain the different sections of a typical project plan. **[6]**

Q4) a) State the four major steps in structured design methodology. Explain DFD of an ATM. **[6]**

b) State and explain any 2 methods of complexity metrics for object oriented design. **[6]**

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P.T.O.

Q5) a) What is code review? Explain code inspection technique. [6]

b) What is integration testing? Explain various approaches of integration testing. [6]

Q6) a) What is reliability of a software? Explain briefly six metrics that correlate with reliability. [7]

b) Explain briefly the process of getting ISO 9000 certification. [6]

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