

Roll No

IT-605

B.E. VI Semester

Examination, December 2016

Software Engineering and Project Managements

Time : Three Hours

Maximum Marks : 70

- Note: i) Answer any five questions.
- ii) All questions carry equal marks.

1. a) What is Software engineering paradigm? Compare the advantages and disadvantages of various software engineering paradigms. 7
- b) Differentiate between waterfall model and prototype model. 7
2. a) What is Risk assessment? How can we assess overall project risk. 7
- b) Explain unified process? What are its characteristics. 7
3. a) Discuss the various activities performed during SQA. 7
- b) Differentiate between size oriented and function oriented metrics. 7
4. a) Explain briefly 7
 - i) COCOMO model
 - ii) Reverse engineering

- b) Explain the concept of functional modelling with an illustrative example. 7
5. a) Prepare a CFD for a books order processing system. The customers in this system are book sellers who do not make a stock of books. As the orders come the books are demanded from publishers directly. 7
- b) Differentiate between the following: 7
 - i) Top down and Bottom up approach
 - ii) Structural analysis and structural design
6. a) What do you understand by cohesion and coupling in context of software design? How are concepts of cohesion and coupling useful in arriving at good software design? 7
- b) Explain white box testing with an example. 7
7. a) What do you mean by RMMM? How can we develop RMMM plan? 7
- b) What is Software configuration management? Explain its need? 7
8. Write short note: 14
 - a) Project scheduling
 - b) Staffing
 - c) SQA
 - d) System testing

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