

Total No. of Questions : 10] [Total No. of Printed Pages : 2

Roll No.

IT-605

B. E. (Sixth Semester) EXAMINATION, June, 2012

(Information Technology Engg. Branch)

SOFTWARE ENGINEERING AND PROJECT MANAGEMENT

(IT-605)

Time : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 35

Note : Attempt *one* question from each Unit. All questions carry equal marks.

Unit-I

1. (a) What is Software Process ? Define the relation between process, projects and product. 10
- (b) Explain why the spiral model is considered to be meta model. 10

Or

2. (a) What are the different phases of a unified process cycle ? 10
- (b) What do you mean by Risk Assessment ? Explain briefly. 10

Unit-II

3. (a) What are Software Metrics ? Show why and how software metrics can improve software process. 10
- (b) Discuss the factors affecting the software quality. What are the various measures of software quality ? 10

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Or

4. (a) Explain problem based estimation techniques. 10
- (b) Briefly describe various types of COCOMO models. 10

Unit—III

5. (a) Explain SRS. What are the characteristics of a good SRS ? 10
- (b) What do you mean by Feasibility Study ? Explain different types of feasibilities. 10

Or

6. (a) What is Modularity ? List important properties of modular system. 10
- (b) Explain object oriented design. 10

Unit—IV

7. (a) Write the advantages of software components. 10
- (b) What is an intelligent software agent ? What are the types of intelligent software agents ? 10

Or

8. (a) Discuss software testing strategies. Differentiate between verification and validation. 10
- (b) Describe different black box testing methods. 10

Unit—V

9. (a) Discuss the advantages and disadvantages of matrix organization. 10
- (b) What is the RMMM plan ? 10

Or

10. (a) Discuss in detail about quality planning. 10
- (b) Briefly describe software project management standards. 10