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**Question Paper Code : 95416**

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Ninth Semester

Software Engineering

XCS 592/ 10677 SW 902 — SOFTWARE PROJECT MANAGEMENT

(Common to 5 Year M.Sc. Computer Technology and M.Sc. Information Technology)

(Regulations 2003/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the advantages and disadvantages of RAD model?
2. What is the importance of prototyping?
3. What is the significance of software baselines?
4. Recommend a list of mitigations to eliminate the requirements instability risk.
5. List out the metrics for project closure.
6. What would be the impact of not having the infrastructure groups present in a project kick-off meeting?
7. What is meant by reusability?
8. Define the term : testability.
9. What is meant by regression testing?
10. How is maintenance applicable for software projects?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the spiral model with a neat diagram. (8)  
(ii) Explain any one application that involved as spiral model phases. (8)

Or

- (b) Design and automate student marksheet in institution based system using prototyping model. (16)

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12. (a) Explain the configuration management and its audit procedures. (16)

Or

(b) Explain how the risk is identified and managed with examples. (16)

13. (a) (i) Outline and explain the contents of a typical project management plan. (8)

(ii) Explain the steps involved in establishing an effective project closure process. (8)

Or

(b) (i) Explain the importance of tailoring of an organizational process and the steps involved in tailoring of the process. (8)

(ii) What is a work break down structure? Explain how to create an effective work break down structure in a project. (8)

14. (a) (i) Explain the three phases of estimation. (8)

(ii) Discuss requirement gathering. (8)

Or

(b) (i) How to translate effort estimates into schedule estimates? (8)

(ii) Discuss any one estimation model. (8)

15. (a) (i) Assume that you have to test a GUI product. Your organization can not afford a GUI test automation tool. What kind of challenges can you expect? What kind of skill sets would you require to form your testing team? (8)

(ii) Explain the skill sets required for people in the maintenance phase. (8)

Or

(b) (i) Explain the metrics of maintenance phase. (8)

(ii) Discuss the impact of Internet in project management. (8)