

Roll No.

23077

M. Tech. 3rd Semester (Computer Engg.)

Examination – January, 2012

SOFTWARE PROJECT MANAGEMENT

Paper : MTCE-707-A (A)

Time : Three Hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions.

1. (a) It is said that spiral model combines the best features of earlier models. Justify the statement. 10
(b) What is a process ? Why is it important ? Explain CMM process model with help of a diagram. 10
2. (a) Explain check lists and tools for metric implementation with help of a template. 10
(b) Explain the various metrics used in configuration management. 10
3. (a) What is Quality ? Why is it important ? Discuss the cost & benefit of quality. 10

- (b) Explain various SQA tools with their merits and demerits. 10
4. (a) Why risk is important ? Explain the metrics that are appropriate for risk management. 10
- (b) What would be the impact of not having the infrastructure groups present in a project Kick-off meeting ? 10
5. (a) Compare & contrast the "What Cost" part and "When" part of project planning. 10
- (b) Explain the issues that must be discussed during project closure. 10
6. (a) Why should the requirement gathering meetings be minuted ? Suggest a template to effectively minute such meetings. 10
- (b) What is estimation ? Explain the various phases of estimation with help of a diagram. 10
7. (a) How 'Design for Testability' is different from 'Design for Diagnosability' ? Explain. 10
- (b) What types of defects would not get uncovered by testing ? How would you minimize the chances of such defects creeping into the product ? 10
8. (a) Explain the various management issues during the maintainance phase. 10
- (b) Write short notes on : 10
- (i) People & organizational issues in metric program.
- (ii) Risk Mitigation.