

GUJARAT TECHNOLOGICAL UNIVERSITY
ME - SEMESTER- III • EXAMINATION – SUMMER • 2014

Subject Code: 730104**Date: 05-06-2014****Subject Name: Software Engineering Methodology****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|------------|---|-----------|
| Q.1 | (a) What is the overall strategy for software testing? | 07 |
| | (b) Differentiate between Verification and Validation. | 07 |
| Q.2 | (a) Explain the notion of coupling and cohesion with example. | 07 |
| | (b) What is SQA? Compare QC vs QA. | 07 |
| | OR | |
| | (b) What is the purpose of Software quality Assurance? Why should the quality Assurance organization be independent of Development organization? | 07 |
| Q.3 | (a) Define the term project and project management. Discuss in detail the functions and activities of project management. | 07 |
| | (b) Explain any Software project estimation technique with example. | 07 |
| | OR | |
| Q.3 | (a) What is SCM? Explain SCM Process in detail. | 07 |
| | (b) Explain in detail the various Software Complexity Measures and their need? | 07 |
| Q.4 | (a) Describe the testing process for WebApp. | 07 |
| | (b) What do you mean by estimation and scheduling? Explain in detail the various Cost estimation models used in Software Engineering. | 07 |
| | OR | |
| Q.4 | (a) What is RMMM plan? And also show the difference between known risks and predictable risks? Which are the risk not consider as a part of RMMM plan in Software development? | 07 |
| | (b) Explain the process of User interface design? Also list the guidelines for Good User interface. | 07 |
| Q.5 | (a) Describe role of four P's for effective software project management. | 07 |
| | (b) Differentiate between Software Quality and Reliability. | 07 |
| | OR | |
| Q.5 | (a) Write short notes on Clean room software engineering. | 07 |
| | (b) What is CBSE? Describe Software Reengineering. | 07 |
