

GUJARAT TECHNOLOGICAL UNIVERSITY
M. E. - SEMESTER – III • EXAMINATION – SUMMER • 2013

Subject code: 730104**Date: 15-05-2013****Subject Name: Software Engineering Methodology****Time: 10.30 am – 01.00 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Explain different types of software testing. Why Software testing is required? **07**
- (b) What are the use of Metrics? Explain Metrics for testing and Maintenance. **07**
- Q.2** (a) Explain RMMM Plan for Library Management System **07**
- (b) What is SQA? Compare QC vs QA. **07**
- OR**
- (b) Explain:- ISO 9000 standard , Software Reliability **07**
- Q.3** (a) Define a task set for “Railway Reservation System” Software Project. **07**
- (b) Explain Earned Value Analysis with example. **07**
- OR**
- Q.3** (a) Define a task set for “Hotel Management system” Software Project. **07**
- (b) Explain any one Software Project cost estimation technique. **07**
- Q.4** (a) What is webE Design? Explain Design issues in WebApps. **07**
- (b) Explain :- CBSE and Software Reengineering. **07**
- OR**
- Q.4** (a) Explain different models for WebApps. **07**
- (b) What is SCM? Explain SCM repository and SCM process. **07**
- Q.5** (a) Explain Basis Path Testing and Control Structure Testing **07**
- (b) Explain Software scope and feasibility for ATM –Banking application. **07**
- OR**
- Q.5** (a) Explain UI testing and Performance Testing for WebApps. **07**
- (b) Write test case and test scenario for Login module. **07**
