

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. Sem. – III - Examination –June- 2011

Subject code: 730104

Subject Name: Software Engineering Methodology

Date: 07/06/2011

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) Describe the difference between verification and validation. **07**
(b) Differentiate between black box testing and white box testing. **07**

- Q.2** (a) Describe role of four P's for effective software project management. **07**
(b) Describe class oriented metrics in detail. **07**

OR

- (b) Describe different attributes of web-based system and application. **07**

- Q.3** (a) Describe the roles that should be distributed among members of WebE. **07**
(b) Discuss use-cases and its importance. **07**

OR

- Q.3** (a) Discuss WebE design pyramid in detail. **07**
(b) Discuss an overview of testing process of WebE. **07**

- Q.4** (a) Describe size-oriented metrics in detail. **07**
(b) Describe Resources required for s/w development. **07**

OR

- Q.4** (a) Discuss different reasons of late delivery of s/w. **07**
(b) Discuss Risk identification for a s/w project. **07**

- Q.5** (a) Discuss SCM process in detail. **07**
(b) What is coupling and cohesion? How they are significant in Object Oriented Design? **07**

OR

- Q.5** (a) Discuss Clean-room s/w engineering approach. **07**
(b) Describe the steps associated with database testing for a WebApp. Is database testing predominantly a client-side or server-side activity? **07**
