

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-VI Examination May 2011

Subject code: 160701

Subject Name: Software Engineering

Date: 16/05/2011

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 risk components and risk drivers. **07**
(b) Develop a complete use cases for the system which is known to you. **07**
- Q.2** (a) Develop a complete test strategy for the system which is known to you. **07**
(b) Describe requirements validation **07**
- OR**
- (b) Describe generic view of software Engineering. **07**
- Q.3** (a) Explain in brief the spiral model **07**
(b) Using appropriate example explain control flow mode **07**
- OR**
- Q.3** (a) Explain in brief the process model which is used in situations where requirements are well defined and stable. **07**
(b) Using appropriate example explain data dictionary **07**
- Q.4** (a) Explain the W⁵HH principle **07**
(b) List set of guidelines for formal technical reviews **07**
- OR**
- Q.4** (a) List and explain work tasks for the communication activity **07**
(b) Explain importance of SQA **07**
- Q.5** (a) Using example explain the basic path testing method **07**
(b) Describe coding standards. **07**
- OR**
- Q.5** (a) List set of guidelines for BVA ? Also Explain merits and demerits of BVA **07**
(b) Describe integrated CASE Environment. **07**
