

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

# GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. VII<sup>th</sup> Semester–Examination – Nov- 2011

Subject code: 171603

Subject Name: Software Project Management

Date: 29/11/2011

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) Which are the triple constraints of IT project management? If time is most important is this possible to change initial scope and cost goals to meet the schedule. If yes explain with example. **07**

(b) What is change management? Explain change management plan in detail. **07**

**Q.2** (a) Explain two types of team-building activities of Project Human Resource Management. **07**

(b) What is the role of project manager? What are suggested skills for IT project managers? **07**

**OR**

(b) Explain ITPM with figure. **07**

**Q.3** (a) Explain ethical leadership in detail. **07**

(b) With suitable example explain the use of PERT and CPM in scheduling. **07**

**OR**

**Q.3** (a) Describe the method for the cost estimation and cost budgeting for a project. **07**

(b) Describe the steps involved in constructing a work breakdown structure for a software project with example. **07**

**Q.4** (a) Explain how to implement software quality assurance plan. **07**

(b) Explain the process of project planning in detail. **07**

**OR**

**Q.4** (a) Explain seven processes of project integration management. **07**

(b) Discuss waterfall model in Detail. **07**

**Q.5** (a) Describe types of contracts with example. **07**

(b) What is project? Explain IT projects. **07**

**OR**

**Q.5** (a) Justify the statement with detail. “The greatest threat to the success of any project, especially IT projects, is a failure to communicate.” **07**

(b) Discuss the various risks in project. How the risk management plans are derived and implemented? **07**

\*\*\*\*\*