

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012****Subject code: 171603****Date: 28/12/2012****Subject Name: Software Project Management (Department Elective –I)****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

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

Q.1 (a) What do you mean by software project? How does it differ from any other project? **07**

(b) List the common types of risks that typical software project might suffer from. If you are the project manager of a large software development project, what steps would you follow to manage risks in your software project? **07**

Q.2 (a) Define the triple constraint of project with the help of an example. **07**

(b) Write a short note on Project quality management. **07**

OR

(b) How would you define 'software quality'? What do you mean by software quality assurance? **07**

Q.3 (a) Explain SDLC. **07**

(b) What is PERT / CPM? Explain the difference between critical path analysis and critical chain scheduling. **07**

OR

Q.3 (a) Discuss the problem with Information Technology cost estimates. **07**

(b) What do you mean by work break down structure in context to software project? **07**

Q.4 (a) How can you minimize or control changes to project schedules? **07**

(b) Explain the term "Project Charter" in detail. **07**

OR

Q.4 (a) Describe several types of software that project manager can use to support project cost management. **07**

(b) Explain the difference between resource loading and resource leveling. **07**

Q.5 (a) Write short note on the importance of project procurement management. **07**

(b) "Activity definition is the first process in planning a project schedule", justify this statement with detail. **07**

OR

Q.5 (a) What items should a communications management plan address? How can a stakeholder analysis assist in preparing and implementing parts of this plan? **07**

(b) Describe project plan execution and its importance to project plan development. **07**
