

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**
