

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. Vth Semester–Examination – Nov-Dec- 2011****Subject code: 152505****Subject Name: Project Management****Date: 03/12/2011****Time: 02:30 pm – 05:30 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) What do you understand by Project Management? Explain its principles with examples. **07**
- (b) What is Project Management Life Cycle? Explain its phases with necessary steps and actions. **07**

- Q.2** (a) How Quality Management is useful in Project Management? Describe with Quality Management Models. **07**
- (b) Describe the reasons for failure of a project. How risk analysis is carried out in a project? Describe with a case. **07**

OR

- (b) What is the purpose of Project Overview Statement? Describe its components. **07**

- Q.3** (a) Define Work Breakdown Structure. Explain its uses. Explain the Top down and Bottom up approaches. **07**
- (b) Explain various methods estimating activity duration. **07**

OR

- Q.3** (a) Explain the methods of calculations of duration with necessary examples. **07**
- (b) Explain various types of Resources required in a Project. **07**

- Q.4** (a) What is a Project Network Diagram? Why it is required ? Explain steps of preparing network diagram. **07**
- (b) Explain various dependencies and constraints while preparing a network diagram. **07**

OR

- Q.4** (a) Explain Resource Leveling. Explain approaches to level the project resources. **07**
- (b) Explain the purpose of work package. Prepare a work package description report with a case. **07**

- Q.5** (a) What is meant for Joint Project Planning? Prepare a Project Proposal for a new project of your choice. **07**
- (b) Define Event and Activity. Differentiate between CPM and PERT. Explain Fulkerson's Rule for numbering events. **07**

OR

- Q.5** (a) Explain steps for developing a NETWORK. **07**
- (b) Explain kinds of time estimate in PERT with examples. What is a Critical Path? Why it is required to be found out? **07**
