

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-V (OLD) - EXAMINATION – SUMMER 2017****Subject Code: 152505****Date: 15/05/2017****Subject Name: Project Management (Institute Elective - II)****Time: 02:30 PM to 05:00 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) Define project management. How do quality, cost, time and resources to be considered for project management? **07**  
(b) Define project. Classify different types of project. **07**
- Q.2** (a) Write down different principles of project management. **07**  
(b) What is the important of quality management and different quality management models in project management? **07**
- OR**
- (b) Explain project management life cycle. **07**
- Q.3** (a) What is project overview statement? Which are different parts of it? **07**  
(b) Explain application of project management methodology for bridge construction. **07**
- OR**
- Q.3** (a) Explain application of project management methodology for installation of heavy duty machine in workshop. **07**  
(b) Explain work break down structure in detail. **07**
- Q.4** (a) Differentiate top-down and bottom-up approach for project management. **07**  
(b) Write a brief note on resource allocation and management. **07**
- OR**
- Q.4** (a) Explain project network diagram with suitable example. **07**  
(b) Write a short note on resource leveling. **07**
- Q.5** (a) Explain different time estimates for PERT. **07**  
(b) Explain CPM for project management. **07**
- OR**
- Q.5** (a) Differentiate between CPM and PERT. **07**  
(b) Which are the objectives of joint project planning session? Explain in brief. **07**

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