

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER • 2014

Subject Code: 171603

Date: 29-11-2014

Subject Name: Software Project Management

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) Define Project and Project Management. What are the attributes of a Project? **07**
(b) Explain the Project Lifecycle and IT Development. **07**
- Q.2** (a) Explain briefly with a figure what does it mean by ITPM? **07**
(b) What is a Business case? Explain briefly the process of developing a business case with figure. Explain what a MOV is along with the IT value chain figure. **07**
- OR**
- (b) Explain the IT Project selection process with reference to the balanced scorecard approach. **07**
- Q.3** (a) Explain the two types of Project processes. **07**
(b) What is a Project Charter? What should be there in a Project charter? **07**
- OR**
- Q.3** (a) Explain Project Integration Management along with its seven processes. **07**
(b) Explain the Project Planning Framework. **07**
- Q.4** (a) Explain the IT Project Risk Management Processes. **07**
(b) Describe various Project scope management processes and also the Scope management plan. **07**
- OR**
- Q.4** (a) What does a Project Communications Plan include? **07**
(b) What is an IT Project Quality Plan? Explain the concepts of Verification & Validation with the types of the testing approaches available for a software engineering project. **07**
- Q.5** (a) Describe the six processes that support Project Procurement Management. **07**
(b) Explain the three approaches used for implementing the information systems. **07**
- OR**
- Q.5** (a) Explain ethical leadership in detail. **07**
(b) Discuss waterfall model in Detail. **07**
