

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

# **GUJARAT TECHNOLOGICAL UNIVERSITY**

**MCA - SEMESTER-V • EXAMINATION – SUMMER • 2017**

**Subject Code: 2650020**

**Date: 06/06/2017**

**Subject Name: Software Project Management**

**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) What is Project? Explain Software Project Management Life Cycle? **07**  
(b) [1.] What is Different between methods and Methodologies? **03**  
[2.] Explain the major activities carried out by Software Project Management? **04**
- Q.2** (a) Explain Cost-benefit Evaluation Techniques helps in SPM. **07**  
(b) Write Short note on The Oldham-Hackman Job Characteristics Model. **07**
- OR**
- (b) Write short notes on Strategic Programme Management. **07**
- Q.3** (a) List the products created by the step wise planning process and explain two steps. **07**  
(b) Explain Waterfall Model and Software Prototyping Model works in SPM. **07**
- OR**
- Q.3** (a) What is Process Model? Explain How to Choice the Process Model for SPM? **07**  
(b) What is Cost Estimation? Explain Capers Jones Estimating Rules. **07**
- Q.4** (a) Explain How Activity Planning done? Explain How to Identifying Critical Activities? **07**  
(b) Where Estimation done? Explain Different of Over Estimation v/s Under Estimation. **07**
- OR**
- Q.4** (a) What is Estimation? Differentiate Bottom-up Estimation v/s Top-down Estimation. **07**  
(b) What is Risk? List Categories of Risk and Explain How to Evaluating Risk. **07**
- Q.5** (a) What is Contract? Explain Types of Contract in SPM. **07**  
(b) Write short note on Quality Management Systems. **07**
- OR**
- Q.5** (a) Define Software Quality? Explain How Techniques Help Enhance Software Quality? **07**  
(b) Write short note on Software Configuration Management. **07**

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