

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA - SEMESTER-V EXAMINATION – WINTER 2018**

**Subject Code: 2650020****Date: 26/11/2018****Subject Name: Software Project Management****Time: 10.30 am to 1.00 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)** Give definition of following **07**
- 1) Scheduling
  - 2) Pert
  - 3) Risk Management
  - 4) Agility
  - 5) SQA
  - 6) Prototype
  - 7) Sequencing
- (b)** What is project? Explain Project management life cycle **07**
- Q.2 (a)** What is Process Model? Explain how to choose process model in SPM **07**
- (b)** Explain Project Planning in brief **07**
- OR**
- (b)** Do as Directed **07**
- 1) List Out project success and failure reasons
  - 2) What is difference between methods and methodologies?
- Q.3 (a)** What is Estimation? Explain COCOMO model of Estimation **07**
- (b)** What is scheduling? Compare it with sequencing **07**
- OR**
- Q.3 (a)** Where Estimation Done? Differentiate top down & Bottom up Estimation **07**
- (b)** What is Risk? List Category of Risk and how evaluate risk **07**
- Q.4 (a)** What is contract? Explain Types of Contract in brief **07**
- (b)** Explain Spiral Model in brief **07**
- OR**
- Q.4 (a)** Write short note on Quality management system **07**
- (b)** What is agile modeling? Explain Extreme programming (XP) in brief **07**
- Q.5 (a)** Explain process capability models techniques in brief **07**
- (b)** Explain PERT & CPM techniques in brief **07**
- OR**
- Q.5 (a)** Explain terms Software reliability and Quality Plans **07**
- (b)** Compare over and Under estimation **07**

\*\*\*\*\*