

M. TECH.**(SEM-II) THEORY EXAMINATION 2018-19
SOFTWARE PROJECT PLANNING & MANAGEMENT****Time: 3 Hours****Total Marks: 70****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

1. **Attempt all questions in brief.** **2 x 7 = 14**
- Define metric.
 - What is software configuration management?
 - Define risk management.
 - Define change control.
 - What is cost monitoring?
 - Define framework for dealing with risk.
 - Explain project estimation.

SECTION B

2. **Attempt any three of the following:** **7 x 3 = 21**
- Explain project life cycle and its relation with SDLC in detail.
 - Explain requirement specification. What are functional and non functional requirements?
 - What is the role of implementation plan? Explain the contents of implementation plan of a project.
 - What is meant by communication management? What are strategies for an effective communication system?
 - Explain the different project scheduling techniques. Explain the difference between CPM and PERT.

SECTION C

3. **Attempt any one part of the following:** **7 x 1 = 7**
- Explain the impact of internet on project management in brief.
 - Brief how does an organization choose to use any model.
4. **Attempt any one part of the following:** **7 x 1 = 7**
- Explain the advantages of using geographically distributed teams for the maintenance phase of a project in detail.
 - Write short notes on followings (i) P-CMM (ii) Metrics for requirement phase
5. **Attempt any one part of the following:** **7 x 1 = 7**
- Narrate the activities covered by software project management in detail.
 - Explain the cost benefit analysis. Discuss about the cost benefit evaluation techniques.
6. **Attempt any one part of the following:** **7 x 1 = 7**
- Explain the various motivation model in managing the people. Explain the earned value analysis.
 - Write about the various organizational structure in detail.
7. **Attempt any one part of the following:** **7 x 1 = 7**
- Discuss about the Activity –on-arrow network with suitable example.
 - Describe the followings. (i) Phases of Estimation (ii) Configuration Audit (iii) Software Configuration management tool.