

Printed pages:

Sub Code: RIT-051

Paper Id 113501

Roll No. 

--	--	--	--	--	--	--	--	--	--

**B. Tech.**  
**(SEM V) THEORY EXAMINATION, 2018-19**  
**SOFTWARE PROJECT MANAGEMENT**

*Time: 3 Hours*

*Total Marks: 70*

**Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.  
2. Any special paper specific instruction.

**SECTION A**

1. **Attempt all questions in brief.** **2 x 7 = 14**
- a. What is software project management?
  - b. What are the objectives of Software Project Management?
  - c. Name any four automation testing tools?
  - d. Write the simple formula for CPI & SPI.
  - e. What is desk checking?
  - f. What do you mean by software testing?
  - g. Define Risk.

**SECTION B**

2. **Attempt any three of the following:** **7 x 3 = 21**
- a. Write short note on work breakdown structure with its type.
  - b. What is meant by earned value analysis? What are the different types of earned value indicators? Describe any two earned value indicators with suitable examples?
  - c. Explain the SEI/CMM Process model, its maturity levels and the key process areas for each level.
  - d. Compare product life cycle and project life cycle with an example.
  - e. Illustrate the various Software Configuration Management (SCM) activities.

**SECTION C**

3. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Differentiate between PERT and CPM.
  - (b) Differentiate between Gantt chart and milestone chart.
4. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Write a short note on Risk Breakdown Structure (RBS).
  - (b) What do you mean by version control and explain the activities participating in version control.
5. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) What is black box testing? List out advantages and disadvantages of black box testing.
  - (b) What is white box testing? List out advantages and disadvantages of white box testing.
6. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Briefly explain COCOMO model for cost estimation for all category of projects.
  - (b) Explain need and identification of SPM. Also, write a vision and scope document according to IEEE standard in respect of SPM.

**7. Attempt any *one* part of the following:**

**7 x 1 = 7**

- (a) What do you mean by Code Review? Also discuss the difference between code inspection and code walkthrough.
- (b) Suppose you are managing a software development project. The project is expected to be completed in 8 months at a cost of \$10000 per month. After 2 months you realize that the project is 30% completed at a cost of \$40000. You need to determine whether the project is on-time and on-budget after 2 months. Let's see how healthy the project is by calculating the cost variance and schedule variance.

downloaded from  
StudentSuvidha.com