

TIT-505

1352

Odd Semester Examination, 2017-18

B.TECH. (SEMESTER-V)

SOFTWARE PROJECT MANAGEMENT

Time: 03:00 Hours

Max Marks : 100

Note : Attempt all questions :

1. Attempt any four of the following :

(4x5=20)

- (a) What is a Project? What are the benefits of Project Management?
- (b) Discuss the role of cost estimation in a software development project.
- (c) Explain the various activities covered by SPM.
- (d) Distinguish between information system and embedded system.
- (e) Explain COCOMO in detail.
- (f) What do you understand by the term "LIFE CYCLE"? Illustrate different phases of project life cycle.

2. Attempt any four of the following :

(4x5=20)

- (a) Discuss any one CASE tool that is used for scheduling.
- (b) What do you mean by path float, independent float and total path float?
- (c) What is the basic difference between PERT and CPM?
- (d) What is project schedule? Explain by giving a suitable example.
- (e) What are the stepwise projects planning? Explain.
- (f) Write short note on:
 - (i) Spiral Model
 - (ii) FP analysis

3. Attempt **any two** of the following : (2x10=20)
- (a) Indicate the levels of managerial efforts involved in project direction, planning and control during implementation. What is the purpose of work breakdown structure?
 - (b) Distinguish between Informal and Formal reviews. Discuss various mechanisms of software reviews?
 - (c) What is pair programming? Give its advantages and disadvantages. What are the difference between pair programming and peer reviews?
4. Attempt **any two** of the following : (2x10=20)
- (a) Discuss about software quality factors and attributes?
 - (b) Develop your own metrics for correctness, maintainability, integrity and usability of the software. What is Statistical Quality Assurance (SQA)?
 - (c) Explain :
 - (i) Product Quality Management
 - (ii) ISO-9126 standard
5. Attempt **any two** of the following : (2x10=20)
- (a) Explain any one cost benefit evaluation technique with suitable example.
 - (b) Distinguish between known risk and predictable risk, in detail.
 - (c) Write short note on:
 - (i) Total Quality Management and Continuous Improvement.
 - (ii) Project Management Performance.
