

Exam.Code:0919

Sub. Code: 6429

2122

B.E. (Computer Science and Engineering)

Seventh Semester

Elective - II

CSE-704A: Software Project Management

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Answer the following:-

- a) What are the size-oriented metrics?
- b) Why the role of management is important in SPM? Discuss,
- c) Why maintenance of software is important? Discuss its various types.
- d) Write a note on PERT and Gantt-Charts.
- e) Discuss Risk Identification and Quantification.

(5x2)

UNIT - I

- II. a) How the cost estimation is planned? Explain COCOMO cost estimation model with an example.
- b) Discuss the step-wise project planning activities. (2x5)
- III. a) What are the various components of SPM?
- b) Write a note on software quality assurance plans. (2x5)
- IV. a) Discuss about earned value analysis and earned value management.
- b) Define methods to track project schedule. How the project monitoring and control is beneficial for project. (2x5)

UNIT - II

- V. a) Differentiate ISO and CMM models for software quality.
- b) Discuss RMMM plan for database project. What are the different risks associated with RMMM. (2x5)
- VI. Explain in detail the various paradigms and principles to control the risks associated in a project. (10)

P.T.O.

(2)

VII. Write note on the following:-

- a) Software reengineering
- b) Business process reengineering
- c) Testing
- d) Cost-benefit analysis

(4x2½)

x-x-x