2123
B.E. (Computer Science and Engineering)
Seventh Semester
Elective - II
CSE-703A: Software Project Management

Time allowed: 3 Hours

Max. Marks: 50

NOTE: *Attempt <u>five</u> questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.*

x-x-x

I.   Answer the following:-

   a) What are FP-based metrics?

   b) Write a note on empirical estimation models

   c) Why maintenance of software is important? Discuss its various types.

   d) Discuss Risk Identification and Quantification.

   e) Write a note on empirical estimation models.   (5x2)

UNIT - I

II.   a) Compare LOC and FP based project estimation techniques with an example.

   b) Discuss about earned value analysis and earned value management.   (2x5)

III.   a) Elaborate scheduling for WebApp and Mobile Projects.

   b) Discuss techniques for project monitoring and control.   (2x5)

IV.   a) What is the role of metrics in software development? Discuss the various software quality metrics.

   b) Describe version control and change control in SCM?   (2x5)

UNIT - II

V.   a) Differentiate ISO and CMM models for software quality.

   b) Discuss the components of RMMM plan for database project.   (2x5)

VI.   a) Differentiate Proactive risk strategies and Reactive risk strategies.

   b) What is the importance of software configuration management? Explain the two principal activities of configuration management.   (2x5)

VII. Write note on the following:-

   a) Software reengineering

   b) Use case oriented metrics

   c) cost-benefit analysis

   d) Critical path analysis   (4x2½)

x-x-x