

Exam. Code: 0919

Sub. Code: 7911

2021

B.E. (Computer Science and Engineering)

Seventh Semester

Elective – II

CS-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. Attempt the following:-

- a) What are software metrics? What is their role in ensuring software quality?
- b) What is a critical path in software project schedule?
- c) Who are stakeholders in a software project management?
- d) What are Use Case-oriented Metrics?
- e) Compare Quality Assurance and Quality Control? (5x2)

UNIT – I

- II. a) Compare Process Metrics and Project Metrics using examples.
b) What are function points? What role they play in software measurement? (2x5)
- III. a) Compare LOC based and FP-based project estimation techniques.
b) Discuss the Make/Buy Decision using a suitable example. (2x5)
- IV. a) How does project scheduling for WebApp and Mobile projects differ that of traditional software projects?
b) Illustrate Earned value Analysis using a suitable example. (2x5)

UNIT – II

- V. Compare CMM with ISO in detail and discuss their respective pros and cons using a real life scenarios. (10)
- VI. a) Compare Proactive risk strategies and Reactive risk strategies using suitable examples.
b) Analyse the common components of a RMMM Plan using an example. (2x5)
- VII. a) Discuss the economics of reengineering using suitable examples.
b) Demonstrate Software Reengineering Process Model using an example. (2x5)

x-x-x