

Exam. Code: 0925
Sub. Code: 6548

2122
B.E. (Information Technology)
Seventh Semester
IT 704(d): 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) How does critical path affect software project schedule?
- b) How does environmental appraisal of software projects take place?
- c) What is the need for Cost benefit Analysis?
- d) Distinguish between Function Point and LOC.
- e) What is Monte Carlo Simulation? (5x2)

UNIT - I

- II. a) What are common problems with software projects and how can these be resolved?
b) Demonstrate various steps in project planning using a real-world example. (2x5)
- III. a) How are software projects evaluated? Illustrate using real-life examples.
b) Demonstrate Cash flow forecasting using a suitable real-life example. (2x5)
- IV. a) Demonstrate COCOMO Model using a suitable example.
b) How are process models chosen? Illustrate using examples. (2x5)

UNIT - II

- V. a) How does time for a software project is estimated? Show using a real-life case study.
b) Demonstrate Sequencing and Scheduling activities for a software project using a real-world example. (2x5)

P.T.O.

(2)

- VI. a) How does risk assessment take place? Explain using suitable examples from real world.
- b) Demonstrate the role of PERT and CPM models in software risk management with the help of suitable examples. (2x5)
- VII. a) How does Earned Value Analysis help in measuring progress of a project? Show using suitable examples.
- b) On what basic idea, Oldham job characteristic model is based? Explain the model using suitable examples. (2x5)

x-x-x