

2021
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 are Problems with Software Projects? Justify your answer.
 - b) What is Cash flow forecasting?
 - c) Differentiate between Object Point and Function Point.
 - d) What is Expert judgement in estimation?
 - e) How does risk identification in early phases of project life cycle help? (5x2)

UNIT – I

- II. Implement COCOMO-11 model for a project cost estimation using a suitable example. (10)
- III. a) How are process models chosen in software project? Show using an example.
b) Demonstrate Albert Function Point Analysis using a software project example. (2x5)
- IV. Compare and analyse various cost-benefit evaluation techniques using suitable examples. (10)

UNIT – II

- V. Implement and Compare various project scheduling techniques using a real-life case study. (10)
- VI. a) How time is estimated for a software project? Illustrate using an example.
b) Illustrate Monte Carlo Simulation using a real-life case scenario. (2x5)
- VII. a) How are resources allocated in software project? Illustrate using a suitable example.
b) Demonstrate Oldham-job Characteristics model using examples. (2x5)

x-x-x