

2055
B.E. (Information Technology)
Sixth Semester
PEIT-602 (d): Software Project Management

Time allowed: 3 Hours

Max. Marks: 50

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

x-x-x

I. Attempt the following:-

- a) Discuss work break down structure in project management.
- b) Define a framework for dealing with risk.
- c) Define change control.
- d) Why do we perform risk assessment?
- e) Why do we perform activity planning? (5x2)

UNIT - I

- II. a) How are process models chosen in Software project? Show using an example.
- b) Explain briefly the steps required in project planning (2x5)
- III. What is cost -benefit analysis? Explain different cost benefit evaluation techniques. (3+7)
- IV. a) How do we size the software that we are planning to build?
- b) Write a short note on COCOMO model. (2x5)

UNIT - II

- V. a) Amanda has already decided to use only three analyst /designers on the project to reduce costs. Her current resource histogram, however, calls for four during both stage 2 and stage 4. Suggest what she might do to smooth the histogram and reduce the number of analyst/ designers required to three.
- b) What is the role of PERT and CPM model in Risk Management. (2x5)
- VI. In allocating individuals to tasks, several factors need to be considered. Explain briefly. (10)
- VII. Write short note on the following:-
 - a) Change control management
 - b) Chief programming team (2x5)

x-x-x