2055
B.E. (Information Technology)
Sixth Semester
PEIT-601D: Software Engineering

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

1. Attempt the following:-

   a)   What are the benefits of spiral model?

   b)   Distinguish between process and methods.

   c)   Give the importance of software engineering.

   d)   Define software process.

   e)   State the important features of a process.   (5x2)

UNIT -I

2. a) Discuss the various steps involves in SDLC.

   b) How object Oriented Life Cycle Model differs from traditional life cycle model?
                                                                      (2x5)

3. Explain in detail various steps involves in software requirements analysis.   (10)

4. Discuss the role of project panning and project scheduling for project management. (10)

UNIT - II

5. Differentiate between Software Design and Coding Concepts with example.   (10)

6. a) Explain various Software Testing Strategies.

   b) Discuss various metrics for the Analysis Model.   (2x5)

7. Write note on:

   a)   Metrics for Software Quality

   b)   CASE tools   (2x5)

x-x-x