

2007 JAWAHARLAL NEHRU UNIVERSITY [JNU]
B.TECH I SEMESTER REGULAR EXAMINATIONS
SOFTWARE ENGINEERING
(COMPUTER SCIENCE ENGINEERING)

NOVE 2007

TIME : 3 HOUR
MARK : 80

ANSWER ANY FIVE QUESTIONS ALL QUESTIONS CARRY EQUAL MARKS

1. (a) What are the different outputs produced during the development of a software.
(b) Give the outline of prototyping model of software with advantages.
2. List the major risks in a software project. What are the major ways to abate the risk of cost and schedule overruns?
3. (a) Can an object standalone? Justify your answer with an example.
(b) Write outline for object description, and explain each item in the outline.
4. (a) What are Entity-Relationship (E-R) diagrams? How E-R notation is useful for data modeling?
(b) What are the common characteristics and differences in different requirement analysis techniques?
5. (a) Explain the different steps to be conducted for software design from project management point of view.
(b) Explain how each step in Software Engineering process is a refinement in the level of abstraction of the software solution.
6. (a) Explain the concepts of objects, operations and messages
(b) Describe the five OO design issues suggested by Meyer
(c) Explain the concepts of class, instance and Inheritance with example.
7. Describe software maintenance activities and discuss about re-engineering.
8. Discuss in detail about Business Process Re engineering.