Time: 3 Hours

Max. Marks: 80

N.B. (1) Question one is Compulsory.
    (2) Attempt any 3 questions out of the remaining.
    (3) Assume suitable data if required.

Q. 1 Solve any Four out of the following (5 marks each)   20M

   a. Explain Software Process Umbrella Activities
   b. Explain software reengineering
   c. What is Capability Maturity Model (CMM) Explain different CMM levels
   d. Design User Interface for Online Shopping System
   e. Discuss limitations of Waterfall model & Spiral Model
   f. Draw Use Case Diagram for Hospital Management System

Q. 2

   a. What is Agile Process? Explain SCRUM Process Model with all activities.   10M
   b. What do you mean by Cohesion & Coupling? Explain different types of cohesion &   10M
      Coupling

Q. 3

   a. What is Software Testing? Explain different types of software testing   10M
   b. Define Risk? What are different categories of risks? Explain RMMM plan   10M
      with suitable example.

Q. 4

   a. Explain & compare FTR & Walkthrough.   10M
   b. Explain change control & Version Control   10M

Q.5

   a. Explain different types of software maintenance.   10M
   b. What is SRS? Prepare a SRS for Online Movie Booking System.   10M

Q. 6

   a. List different metrics used for software measurement? Explain function   10M
      point-based estimation technique in detail.
   b. Explain software design principles in detail illustrating with example   10M