Time: 3 Hours   **Marks: 80**

Note:- 1. Q1 is compulsory.
**   2. Solve any 3 question from remaining questions.**

Q1 Attempt any 4

a) Differentiate in between waterfall and spiral model.   (5)
b) List out Requirement Elicitation Techniques. Explain any two methods.   (5)
c) What is process and project metrics? Explain 3 P's of software Engineering.   (5)
d) Illustrate   design issues.   (5)
e) Explain FTR.   (5)
f) What is testing? What is the role of testing in software engineering.   (5)

Q 2 a) Develop the SRS for University Management System.   (10)
   b) Explain the process of CMM.   (10)

Q3 a) Explain Coupling and Cohesion? Explain the types of couplings with example.   (10)
   b) What are the testing strategies?   (10)

Q4 a) Differentiate between FP based & LOC based cost estimation techniques.   (10)
   b) What is user interface design? Explain it with example.   (10)

Q5a) What is maintenance? Explain the different types of maintenance.   (10)
   b) What is the use of use case diagram? Draw use case diagram for hospital
      management system.   (10)

Q6 a) Differentiate between White Box and Black Box Testing.   (10)
   b) Illustrate Change Control & version control.   (10)

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