

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)
