

Time: 3 Hours

Marks: 80

- Note: 1. Question No. 1 is compulsory  
2. Attempt any Three Questions Out of remaining five questions.  
3. Draw neat diagrams wherever necessary.

- Q1. Solve any Four 20
- a. Explain the CMM model
  - b. Explain the Requirements model.
  - c. Explain the LOC.
  - d. What are the design principles.
  - e. Explain the software testing process.
  - f. Discuss the different level of DFD.
- Q2. A. Explain Risk and its types? Explain the steps involved in setting up or generating RMMM plan. 10
- B. Explain the Spiral model of software development. 10
- Q3. A. Explain the general format of SRS. 10
- B. Explain the FP Estimation techniques in details. 10
- Q4. A. Explain cohesion and Coupling. Explain different types with detailed example. 10
- B. Explain the different techniques in white box testing. 10
- Q5. A. Explain steps in version and change control. 10
- B. Explain software reverse engineering in detail. 10
- Q6. Solve any Four 20
- a. Compare FTR and Walkthrough
  - b. What are the different types of maintenance?
  - c. What are the design Principles.
  - d. Explain the tracking and scheduling.
  - e. Explain the Scenario based model.
  - f. Compare Scrum and Kanban
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