

Time: 3 Hours

Marks : 80

- N.B. (1) Question one is Compulsory.  
(2) Attempt any 3 questions out of the remaining.  
(3) Assume suitable data if required.
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- Q. 1 Solve any Four out of the following (5 marks each) 20M
- a) Explain Scrum Methodology with suitable diagram.
  - b) Write short note on FTR
  - c) Explain Project Tracking
  - d) Write a short note on UML diagrams
  - e) How risk analysis is important in project, can it harm budgets or project deployment status?
- Q. 2 a) Design the test cases for Medical Management Application 10M
- b) Explain COCOMO model in detail 10M
- Q.3 a) Write an SRS for University Management Website 10M
- b) Design the DFD for Library Management System 10M
- Q.4 a) How User Interface Design helps web technology or IT Industry? 10M
- b) What are different metrics used for software measurement? Explain function Point-based estimation technique in detail 10M
- Q5 a) List out different software testing strategies? Compare White box testing & Black box testing 10M
- b) What are different categories of risks? Explain RMMM plan with suitable example 10M
- Q6 a) Explain Cohesion & Coupling? Explain different types of cohesion 10M
- b) Explain SQA in detail. 10M
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