

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