



Time: 3 Hours

Max. Marks: 80

N.B. (1) Question one is Compulsory.

(2) Attempt any 3 questions out of the remaining.

(3) Assume suitable data if required.

Q. 1 Solve any Four out of the following (5 marks each)

20M

- Explain Software Process Umbrella Activities
- Explain software reengineering
- What is Capability Maturity Model (CMM) Explain different CMM levels
- Design User Interface for Online Shopping System
- Discuss limitations of Waterfall model & Spiral Model
- Draw Use Case Diagram for Hospital Management System

Q. 2

- What is Agile Process? Explain SCRUM Process Model with all activities 10M
- What do you mean by Cohesion & Coupling? Explain different types of cohesion & Coupling 10M

Q. 3

- What is Software Testing? Explain different types of software testing 10M
- Define Risk? What are different categories of risks? Explain RMMM plan with suitable example. 10M

Q. 4

- Explain & compare FTR & Walkthrough. 10M
- Explain change control & Version Control 10M

Q.5

- Explain different types of software maintenance. 10M
- What is SRS? Prepare a SRS for Online Movie Booking System. 10M

Q. 6

- List different metrics used for software measurement? Explain function point-based estimation technique in detail. 10M
- Explain software design principles in detail illustrating with example 10M

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