



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.

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- Q. 1 Solve any Four out of the following 20M
- a. Explain the Software Process Framework.
  - b. Explain the Waterfall model.
  - c. Explain the Functional requirements.
  - d. Explain 3Ps in software project spectrum.
  - e. Explain the software testing process.
- Q2 a. Explain SQA and its types? 10 M
- b. Explain the Agile process model of software development 10 M
- Q. 3 a) Explain the any five characteristics of SRS 10M
- b) Explain the COCOMO model. 10M
- Q. 4 a) Explain Coupling. Explain different types with detailed example. 10M
- b) Explain the principles of software testing. 10 M
- Q. 5 a) Explain requirement model. 10M
- b) Explain software Re-engineering 10M
- Q. 6 Solve **any Four** 20M
- a. Explain the XP.
  - b. Explain the development of use case.
  - c. Different between Alpha and Beta Testing.
  - d. What is SCM?
  - e. Explain the Six Sigma for software Engin

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