

CBCS SCHEME

SRINIVAS INSTITUTE OF TECHNOLOGY
Library Mangalore

USN

--	--	--	--	--	--	--	--	--	--

15CS42

Fourth Semester B.E. Degree Examination, July/August 2021 Software Engineering

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions.

- 1 a. Give Software requirement document (IEEE standard). (08 Marks)
b. With a neat block diagram, explain the Spiral Process model. (08 Marks)
- 2 a. Explain the non – functional requirements. (08 Marks)
b. Explain software Requirements Documents. (08 Marks)
- 3 a. Explain the Architectural design decision. (08 Marks)
b. Explain Object Oriented design process with example of weather mapping system of the layered architecture. (08 Marks)
- 4 a. Define System Modeling. (02 Marks)
b. Draw and explain the Sequence diagram for ATM system. (04 Marks)
c. Explain different types of System Modeling in detail. (10 Marks)
- 5 a. Explain the Evolution process in detail. (10 Marks)
b. Explain about Software maintenances. (06 Marks)
- 6 a. Explain General model of testing, with the help of block diagram. (08 Marks)
b. Explain the Integration test in detail. (08 Marks)
- 7 a. Explain the role in Inspection process in detail. (06 Marks)
b. Explain the Cost Estimation techniques. (10 Marks)
- 8 a. Explain Software standards in detail. (08 Marks)
b. Explain the Software measurement and metrics. (08 Marks)
- 9 a. Explain the principles of Agile methods. (08 Marks)
b. Explain the Extreme programming. (08 Marks)
- 10 a. Explain SCRUM method in detail. (08 Marks)
b. Explain Agile Project Management. (08 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.