15CS42

USN

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)**

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