Model Question Paper (CBCS Scheme)
SIXTH Semester B.E. Degree Examination

SOFTWARE ENGINEERING AND PROJECT MANAGEMENT

TIME: 03 Hours   **Max. Marks: 100**

Note: Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

		Module -1	**Bloom's Taxonomy Level**	**Marks**
Q.01	a	Define process and explain generic process framework for software engineering.	L2	10
	b	Demonstrate the waterfall model spiral and model with real time example.	L3	10
		OR		
Q.02	a	Explain characteristics that differentiate WebApps from other software.	L2	10
	b	Discuss the David Hooker's seven principles of software engineering practice.	L2	10
		Module-2		
Q. 03	a	Develop a UML use case diagram for home security function.	L3	10
	b	Narrate the steps to be followed for building the requirement model.	L2	10
		OR		
Q.04	a	Explain the steps to be followed for validating requirements in detail.	L2	10
	b	Draw the Swimlane diagram for access camera surveillance via the Internet and explain its functions.	L2	10
		Module-3		
Q. 05	a	Explain Adaptive Software Development (ASD) Model with sketch.	L2	10
	b	Narrate the core principles can be applied to the framework in all software process.	L2	10
		OR		
Q. 06	a	Elucidate the concepts of extreme programming (XP) with its functional diagram	L2	10
	b	What is design modelling? Explain design modelling principles.	L2	7

Module-4			Bloom's Taxonomy Level	Marks
Q. 07	a	Explain the software development life cycle with block diagram	L2	10
	b	List the characteristics of projects and show the differences between Contract management and project management	L2	10
OR				
Q. 08	a	Discuss the ways of categorizing the software projects with real time examples.	L2	10
	b	Elucidate the concepts in activity planning in software project management.	L3	10
Module-5				
Q. 09	a	Explain Quality Management Systems with Principles of BS EN ISO 9001:2000	L1	10
	b	Explain Structured programming and clean-room software development.	L2	10
OR				
Q. 10	a	Identify how Automation testing is preferred over manual testing, with different tools used for Automation Testing.	L2	10
	b	Explain the place of software quality in project planning	L1	10