BCS501

Model Question Paper-1 with effect from 2022(CBCS Scheme)

USN | | | | | | | | | | |

Fifth Semester B.E. Degree Examination

Software Engineering and Project Management

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

Note:1. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

		Module-1	*Bloom's Taxonomy Level	COs	Marks
Q.01	a	Define process and explain generic process framework for software engineering.	L1	CO1	10
	b	Explain the different attributes are encountered in the vast majority of WebApps.	L2	CO1	10
		OR			
Q.02	a	Compare and contrast Waterfall model and spiral model	L1	CO1	10
	b	Discuss the David Hooker's seven principles of software engineering practice.	L2	CO1	10
		Module-2			
Q.03	a	With an example, describe the Class-Responsibility-Collaborator(CRC) modeling.	L1	CO2	10
	b	Explain three types of QFD with examples.	L2	CO2	10
		OR			
Q.04	a	Explain scenario based model with example.	L2	CO2	10
	b	How can you develop an effective use case? Develop a UML use case diagram for home security function.	L1	CO2	10
		Module-3			
Q.05	a	Elucidate the concepts of extreme programming(XP) with its functional diagram	L2	CO3	10
	b	Elucidate SCRUM process with a neat diagram	L1	CO3	10
		OR			
Q.06	a	What is Agility? Explain Agility with the cost of change with Diagram. Explain the Principles of Agile Software Development	L1	CO3	10
	b	Explain Safe Home Security functions for Flow Oriented Modeling and Behavioral Modeling.	L1	CO3	10
		Module-4			
Q.07	a	Explain the procedure of setting objectives for successful completion of software project.	L2	CO4	10
	b	With example explain different categories of Software Projects.	L2	CO4	10
		OR			
Q.08	a	Elucidate the concepts in activity planning in software project management.	L1	CO4	10
	b	Explain the Risk Evaluation with example.	L3	CO4	10
		Module-5			
Q.09	a	Define software quality and explain place of software quality in project management.	L2	CO5	10
	b	Explain capability process model and CMM key areas.	L1	CO5	10

		OR			
Q.10	a	Explain Quality Management Systems with Principles of BSENISO 9001:2000	L1	CO5	10
	b	List and Explain the Techniques to enhance Software Quality and Software Reliability.	L3	CO5	10

Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.