

Question Bank - 1 2022(CBCS Scheme)

Fifth Semester B.E

SOFTWARE ENGINEERING & PROJECT MANAGEMENT
BCS501

Module -1			*Bloom's Taxonomy Level	COs
Q.1	a	Clarify the concepts of Software and Software Engineering and interpret why they are significant.	L2	1
	b	What are the nature of Software system and explain its characteristics.	L2	1
Q.2	a	Interpret common Software Myths and illustrate them with relevant examples.	L2	1
	b	Explain characteristics that differentiate WebApps from other software.	L2	1
Q.3	a	Describe the Prescriptive and Waterfall models with the help of a neat diagram	L2	1
	b	Explain Incremental process models and Evolutionary process models with the help of a neat diagram.	L2	1
Q.4	a	Discuss the David Hooker's seven principles of software engineering practice.	L2	1
	b	Differentiate between concurrent models and specialized process models. What are their primary areas of application?	L2	1
Q.5	a	Develop an assessment plan to evaluate and improve a software process model in an organization. What factors would you consider for process improvement?	L3	1
	b	Apply the principles of the Unified Process in a real-world software project. What phases would you follow, and how would you incorporate iterative development?	L3	1
Q.6	a	Construct an Incremental Development Process model with a neat diagram. Also, mention the benefits of this model compared to the waterfall model.	L3	1
	b	Design the five activities that a generic process framework for software engineering encompasses.	L3	1
Module - 2				
Q.7	a	Explain the different tasks which Requirements Engineering encompasses.	L2	2
	b	Develop a UML use case diagram for home security function.	L3	2
Q.8	a	Show how the activities and steps of Negotiating Software Requirements can be applied in a practical software development situation.	L3	2

	b	Construct a requirements model for a new software system. Explain how it helps in understanding system requirements.	L3	2
Q.9	a	Demonstrate the process of requirements elicitation in software engineering. Prove why it is critical step in the software development life cycle?	L3	2
	b	Sketch of requirement engineering process and apply it to specific project by explaining the different stages.	L3	2