Total number of printed pages: 01

Programme(D)/5th Semester/DCSE502

2023

SOFTWARE ENGINEERING

Full Marks: 100

Time: Three hours

The figures in the margin indicate full marks for the questions.

		Answer any five questions.	
1.	the	plain with a diagram the classical waterfall model. List the major demerits of model. How have other models overcome the demerits of the waterfall del?	20
2.		nat are the main software testing strategies? Explain briefly. Differentiate ween verification and validation of software.	20
3.	a)	What is the significance of software design? Explain design of a software using any two UML diagrams.	15
	b)	What is Software Reverse Engineering? Explain with an example.	5
4.	a)	Briefly explain the software project management plan.	10
	b)	What are the desirable software quality factors? Briefly discuss the role of ISO 9000 certification in ensuring quality standards.	10
5.	a)	Describe the organization structure of a software industry. What are the qualities of a good software engineer?	10
	b)	What is Cyclomatic Complexity? Explain with an example computation of cyclomatic complexity. Define the significance of Cyclomatic Complexity.	10
5.	Write short notes on the following (Any Two):		
	a)	COCOMO Model b) Software Risk Management	
	c)	Six Sigma Certification	