Reg. No.												

Question Paper Code	11700

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV/DEC 2022

Third Semester

Computer Science and Business Systems

(Common to M.Tech - Computer Science and Engineering)

20CBPC303 - SOFTWARE ENGINEERING

(Regulations 2020)

Duration: 3 Hours | Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

		Marks, K-Level,CO
1.	Write about end users.	*2,K1,CO1*
2.	Define MIL.	*2,K1,CO1*
3.	Give some examples of Version Control.	*2,K1,CO3*
4.	Define SCM.	*2,K1,CO3*
5.	What is DFD?	*2,K1,CO4*
6.	Define encapsulation.	*2,K1,CO4*
7.	What is bug?	*2,K1,CO5*
8.	Define glass box testing.	*2,K1,CO5*
9.	List the software quality models	*2,K1,CO6*
10.	What are the five steps of CMMI?	*2,K1,CO6*

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11.	a)	Explain the 5 reasons for software project failure in detail.	*13,K2,CO1*
		OR	
	b)	Explain about the incremental prototyping model with examples.	*13, K2,CO1*
12.	a)	Explain about the different categories of feasibility study.	*13,K2,CO3*
		OR	
	b)	Elucidate the steps involved in the software project planning.	*13,K2,CO3*
13.	a)	Explain about the decision tables and state transition tables.	*13,K2,CO4*
		OR	
	b)	Describe the techniques of refactoring in detail.	*13,K2,CO4*

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

14. a) Compare and contrast the concept of error and defects in detail. *13,K4,CO5*

OR

b) Explain Code and condition coverage in detail. *13,K2,CO5*

15. a) Describe in detail about the software reliability and its methodologies. *13,K2,CO6*

OR

b) Illustrate the concept of McCalls' model in detail. *13,K3,CO6*

PART - C (1 × 15 = 15 Marks)

16. a) Explain about the concept of COCOMO Models with suitable examples. *15,K2,CO2*

OR

b) Explain about the concept of Software configuration management in detail. *15,K2,CO2*