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B.C.A. Part—III (Semester—V) Examination SOFTWARE ENGINEERING

Paper-5ST3

Time	: T	hree Hours] [Maximum Marks :	60
Note : (1) ALL questions are compulsory.			
		(2) All questions carry equal marks.	
1. ((a)	What is Software Engineering ? Explain importance of Software Engineering Layers	in
		detail.	6
((b)	Explain the software requirement analysis using DFD in detail.	6
OR			
2. ((a)	Explain the Spiral Model for Software Engineering in detail.	6 [.]
((b)	Define the Requirement Engineering. Explain Requirement Engineering Process	in
		detail.	6
3. ((a)	What are the steps in Project Management Process ? Explain in detail.	6
((b)	Write short notes on :	
		(i) Software Project Planning (ii) Risk Management.	6
OR			
4. ((a)	Explain the term Problem Analysis in detail.	6
((b)	Explain six issues in Software Cost Estimation.	6
5. ((a)	What is the need of Problem Partioning ? Explain with suitable example.	6
((b)	Write short notes on :	
		(i) Decision table (ii) Decision tree.	6
OR			
6.	(a)	What is Software Architecture ? Explain in detail with its importance.	6
	(b)	Write short notes on :	
		(i) Modularity (ii) Abstraction.	6
7.	(a)	Differentiate between structured programming and object oriented programming.	6
3	(b)	Why system documentation is necessary ? Explain in detail.	6
OR			
8.	(a)	Write short note on :	
		(i) Classes and Object (ii) Attributes	
		(iii) Inheritance (iv) Polymorphism.	6
	(b)	What is Software Reuse ? Explain the concept of Software Reuse in detail.	6
	(a)	Explain Software Quality Management in detail.	6
	(b)	Explain Software Quality Parameters in detail.	6
OR			
10.	(a)	Write short notes on :	(
	d.)	(i) Quality Control [QC] (ii) Quality Assurance [QA].	6
	(b)	What are the elements of ISO 9001-2000 standards ? Explain in detail.	6
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