## Bachelor of Computer Application (B.C.A.) Semester—V Examination SOFTWARE ENGINEERING—II

## Paper—4

Time: Three Hours] [Max:			Marks: 50
	Not	te:—(1) All questions are compulsory and carry equal marks.  (2) Draw neat and labelled diagram wherever necessary.	
EITHER			
1.	(a)	Explain the role of the software architecture.	5
	(b)	What is archetypes? What is the role of archetypes in architecture designing?	5
	OR		
	(c)	Explain Data Centered Architecture.	5
	(d)	What is data design? Explain the purpose of data design.	5
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2.	(a)	Explain software testing and testability. List the various characteristics of testability.	5
	(b)	Explain the different levels of testing.	5
	OR		
	(c)	Explain the white-box testing with its advantages.	5
	(d)	What are the various debugging strategies ? Explain in brief.	5
		THER	
3.	(a)	Explain the metrics for Analysis model.	5
	(b)	1 2 1	5
	OR		
	(c)	Explain:	
		(i) Metrics for source code	_
	(1)	(ii) Metrics for design model.	5
	(d)	Explain the metrics for specification quality.	5
1		HER  Define Rich Management, Give the chiestines of rich management	5
4.	(a)	Define Risk Management. Give the objectives of risk management.	5
		Describe Risk Identification and Risk Projection in detail.	5
	OR (c)	Write notes on:	
	(0)	(i) Assessing risk impact	
		(ii) Risk refinement.	5
	(d)		5
5.	` /	empt ALL:	3
٥.	(a) Explain the steps of the architectural design process.		21/2
	(b)	What is debugging? Explain.	$\frac{21/2}{21/2}$
	(c)	Explain the metrics for testing.	2½
	(d)	Write a note on ISO 9000 quality standards.	2½