

AAG-613 Seat No.1155

B. C. A. (Sem. V) Examination

October / November	_	2016
--------------------	---	------

BCA - 503: Software Engineering

Time	e: 3	Hours] [Total Marks: 70	
1	(a)	Answer the following questions: (Any Three) 6 (1) What is software validation?	
		(2) Explain embedded software.	
		(3) Define: Artificial intelligence software.	
		(4) Define: System Software.	
	(b)	Answer the following questions: (Anv Two) 12	
		(1) What is Software Engineering? Explain	
		software Myths in detail.	
		(2) Explain characteristics of software.	
		(3) Discuss Waterfall Model for software	
		process in detail.	
2	(a)	Answer the following questions: (Any Two) 5	
		(1) Differentiate between function oriented	
		and object oriented approaches.	
		(2) Define: Abstraction	
		(3) Write a short note on Requirement	
		Engineering process.	
	(b)	Answer the following questions (Any Two) 12	i
		(1) What is SRS? Explain the various types	
		of requirements.	
		(2) Describe the various roles of management	
		of software development process.	
		(3) List out and explain the approaches of software designer.	

3	(a)	Atte	mpt the following: (Any Two)	6
		(1)	Explain top down and bottom up	11-1
	2 - 1		approaches for coding.	
		(2)		
			advantages.	
		(3)	What is structure programming?	
	(b)	Ans	wer the following questions: (Any Two)	12
		(1)	Discuss about alpha, beta and gamma	
			testing in detail.	
		(2)	Explain test case, suites, scripts and	
			scenarios in detail.	
		(3)	Write short note on Information Hiding	4
			and programming style.	
4	(a)	Def	ine following terms :	5
		(1)	Project Management	
		(2)	ISO-9000.	
		(3)	Software Reverse Engineering.	
		(4)	SCM	
		(5)	CASE.	
	(b)	Ans	swer the following questions: (Any Two)	12
		(1)	Describe COCOMO Model in detail.	
		(2)	What do you mean by Risk? Explain	
			software risk with risk management and	
			schedule estimation.	
		(3)	What is CMM? Discuss CMM in detail.	