Candidate No :_____

KADI SARVA VISWAVIDHYALAYA
MCA Semester – III
MC – 17 : Software Engineering

Date : 3-1-14   Time : 3 Hours   [Total Marks : 50

Instructions:
   1. Attempt all Questions
   2. Make Suitable assumption whenever necessary
   3. Figure to right indicate full marks

Q.1		Answer the following Question	10
	(i)	Differentiate Product and process with suitable example.	
	(ii)	What is Software Engineering?	
	(iii)	What is Data Design?	
	(iv)	List out various software testing tools.	
	(v)	What is Requirement Engineering?	
Q.2	(A)	Answer the following Question	05
	(i)	Draw Generic view of process.	
	(ii)	What is Process Technology?	
	(iii)	What is Process Assessment?	
	(iv)	What is validating requirement?	
	(v)	How risk is analyzed? Explain in brief.	
	(B)	Answer the following Question	05
	(i)	Write a short note on Design Engineering.	
	(ii)	Discuss a Process framework in brief.	

OR

	(i)	Discuss Capability Maturity Model Integration in brief.	
	(ii)	Write a short note on Design Model	
Q.3	(A)	What is Architectural Design? Write a short note on different architectural styles and patterns.	05
	(B)	How data flow is mapped into software architecture? Explain it in detail.	05

OR

Q.3	(A)	Discuss the golden rules of interface design in detail.	05
	(B)	Write a short note on art of debugging.	05
Q.4	(A)	What is Testing? Discuss the testing strategies in detail.	05
	(B)	What is black box testing? Explain any two techniques of black box testing with example.	05

OR

Q.4	(A)	What is white box testing? Explain any two techniques of white box testing with example	05
	(B)	Write a short note on steps of interface design and the issues of interface design.	05
Q.5	(A)	What is Risk? Explain different types of risk in detail.	05
	(B)	Write a short on quality assurance.	05

OR

Q.5	(A)	Discuss about emerging trends in software engineering.	05
	(B)	What is software reliability? Discuss any two quality standards in detail.	05

----------------All the Best---------------