Third Semester MCA Degree Examination, Dec.2016/Jan.2017 Software Engineering

Max. Marks:100 Time: 3 hrs.

Note: Answer any FIVE full questions.

		Note. 71650 C. May	
1	a. b. c.	What are the attributes of good software? What are the key challenges faced by software engineer? Explain. Explain the professional responsibilities of a software engineer.	08 Marks) (06 Marks) (06 Marks)
2	a. b. c.	Explain the principles of agile methods. Discuss rational unified process with a neat diagram. Explain waterfall model with its merits and demerits.	(06 Marks) (06 Marks) (08 Marks)
3	a. b. c.	Discuss requirement engineering process with a neat diagram. Explain requirements elicitation and analysis process. What are the requirements validation techniques? Explain briefly.	(07 Marks) (07 Marks) (06 Marks)
4	a. b.	Explain system models with suitable examples. Explain system models with suitable examples. Explain system models with suitable examples.	
5	a. b.	Explain basic elements of a component model with a neat diagram. Explain basic elements of a component model with a neat diagram.	
6	a b	 Differentiate between black box testing and white box testing. Name the various estimation techniques in software systems. 	(08 Marks) (06 Marks) (06 Marks)
,	7 a	Explain risk management process with a neat diagram. Explain functional and non-functional requirements. What are the practices followed in extreme programming?	(08 Marks) (04 Marks) (08 Marks)
		Briefly explain the following: a. CBSE process. b. Data flow diagram of an ATM. c. Software as a service. d. Function oriented design.	(20 Marks)

Important Note . 1. On completing of identification, appeal to evaluator and for equations written and for several seval and practice.

2. Any revealing of identification, appeal to evaluator and for equations written and for equations written and for equations written and for experimental and for equations written and for equations written and for experimental and for experimental and for equations written and for experimental and for experiment