Total	No.	of	Printed	Pages	:2
		-1			

7.

[2]

	Roll No
	MSE - 202
	M.E./M.Tech., II Semester
	Examination, July 2015
	Software Quality Assurance
	Time: Three Hours
	Maximum Marks: 70
	Attempt any five questions. All questions carry equal narks.
	Discuss about various components of software quality assurance.
b)	Compare ISO 9000 model and CMM model in detail. 7
The same of the sa	What is quality goal methodology? Give an example for quality planning.
. b)	Discuss about software quality metrics analysis. 7
3. a)	Compare functional Vs structural testing. 7.
(4)27	What are the advantages and disadvantages of early test automation that is for the first release of a product? 7
	Briefly explain McCall's categorization of quality factors into three quality criteria.
	What different coverages can be offered during validation?
	What do you mean by software reliability? Identify the reliability metrics which can be used to quality the reliability of software product.

	[2]
b)	What are technical issues inducing the project management risks?
a)	Explain the concept of software Quality Assurance and discuss its various activities. 7
b)	Explain the various techniques of defect prevention. 7
a)	Explain why statistical analysis method is required for software quality metrics result.
b)	Explain two testing method for software quality Assurance program.
Wr	ite short notes on 14
a)	Tree based reliability model
b)	Software reliability growth model
c)	Fault Tolerance
d)	Six-sigma
	*****