Student ID

Each of the questions on the following pages is worth 20 points. Answer any 5 questions. Please mark below which questions you want graded. Use only the space provided. *Do not attach additional sheets or use the back of the exam.*

Questions to grade (circle the appropriate number): $1\ 2\ 3\ 4\ 5\ 6\ 7$ (If you leave this blank, questions 1-5 will be graded.)

1.	Many studies show that Requirements Engineering is often a root cause of software failures
	However, requirements engineering is not complex. What are the major causes of the RE problem
	and how can they be fixed? (20 points)

2.	independently not as a g	how the problems sh	ould be corrected	d. Analyze each	
	B. When the pressu	ire exceeds 115, the syste	em shall alert the pi	ilot.	
	C. All software shal	be implemented using a	CMM Level 3 proce	ess.	
	D. During emergend	cy conditions, the system	shall suspend all no	on-critical functions.	
	E. The system shal	always be available.			

3. What is mean by the phrase "non-functional requirement"? Identify 3 categories of non-functional

·	aa p.oao	, example req	direfficints st	atements for	r each. (20 po	Jiiito)	

4.	Structured analysis and Object Oriented analysis are the two most common structured methods used
	to analyze requirements. Provide a brief description of each and describe the strengths/weaknesses
	of each. (20 points)

4.	What is a requirements baseline? What is the purpose of placing requirements under configuration
	control? Describe a typical requirements configuration control procedure, i.e., what are the steps in
	modifying a set of requirements that are under configuration management? (20 points)

5.	Elicitation is the most error prone phase of requirements engineering. prone? What can be done to make it less error prone? (20 points)	Why is this phase so error		

6.	Describe the characteristics of a good requirements document.	(20 points)