Indian Statistical Institute, Bangalore

MS (QMS) 2014 - 15

Subject: Management Information System

Duration: 3 hours

Date: 03rd Nov 2014

Semester End Exam

Semester Lifu Exam			Duration. 5 hours		Date: 0310 100 2014
Note: The paper carries 122 marks. Answer as much as you can. However, the maximum you can score is 100.					
1.	. Answer the following in the context of development of software for the implementation of MIS				
	a. What are the different stages of the waterfall model for software development life cycle?				
		Explain each stage briefly.			
	b.	Explain the bottom up method to estimate the effort required to develop a Management Information System (MIS).			
	c	Any information system needs to undergo changes. How many different types of changes			
	ι.				[12 + 8 + 5 = 25]
2	Δηςιωρ	Answer the following			
۷.					
		b. Give two examples of non-functional requirements with brief explanation. [6]			
	C.				
		system with more faults may fail less often compared to a system having more faults. [6]			
	d. What tests are carried out in the entire testing life cycle? Explain the tests briefly. [3 + 6 = 9				
3.					
	the following in this context				
	a.	What is the difference betwee	en verification an	nd validation?	[2]
	b.	b. What are black box and white box tests?		[4]	
	с.	c. Name three different coverage criteria for white box test with brief explanation. [6			explanation. [6]
	d.	d. What are alpha and beta tests? What do you mean by user acceptance tests? When are			
	these tests used? [4 + 2 + 4			[4 + 2 + 4 = 10]	
	e. Do you think that performance may impact some other non-functional requiremer				unctional requirement?
Explain.			[3]		
4.	Answer the following				
	a.	Explain the difference betwee		non-purposive system	
	b.	What is a Use Case? Explain w			[9]
	c. Name five data quality characteristics with brief explanation.			[10]	
5.	What techniques are used to carry out SWOT analysis? Explain briefly. $[2 + 10 + 10 = 22]$				[2 + 10 + 10 = 22]