Sollows And Anteres

24/11/12

P4-RT-Exam.-Oct.-12-165

(REVISED COURSE) KR-4407 Con. 9128-12. (3 Hours) [Total Marks: 100 **N.B.**: (1) Question No. 1 is compulsory. (2) Attempt any four questions from remaining six questions. (3) Figures to the right indicate full marks. (a) What is a difference between view and view point? 4 4 (b) What are the different types of connectors based on interactive services? 4 (c) What is a difference between one-way and round-trip mapping? 4 (d) What is a reference architecture? How does it differ from an ordinary software architecture? (e) Differentiate between software Architecture and Software design. 4 10 (a) Name and describe the different deployment activities. 10 (b) Explain the distributed object style in connection with CORBA middleware What type of applications are applicable for following styles and give examples of 10 3. (a) each -(i) Event-based (ii) Pipe and filter (iii) Lavered (iv) Mobile Code (v) Black-board. (b) How is perscriptive architecture different from descriptive architecture? Explain 10 with example. (a) Is scenario driven analysis a special case of static analysis or dynamic analysis. Justify 5 with one example each. (b) Why is system based analysis important if you have already completed component 5 and connector level analysis? What is an architecture implementation framework? How does an architecture 5 implementation framework differ from middleware? (d) Write short note on domain specific software architecture. 5 10 What do you mean by stakeholder Driven modeling? Explain in detail. 10 (b) Discuss Service Oriented Architecture (SOA) and web services. 10 What is REST? Explain its architecture. 6. With the help of an example, explain different types of inconsistencies is an architectural 10 model. 20 7. Write short notes on the following: (a) Software Architecture and Deployment (b) Hightweight C2 Framework.

30/11/20/2 BIE (CMPN) Sens VIII (R) Multimedia Systems Design

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Со	n. 9	44-12. (REVISED COURSE) KR-4623	KR-4623	
		(3 Hours) [Total Marks : 10	0	
N.	.В.:	 Question No. 1 is compulsory. Solve any four questions from remaining six questions. Assume suitable data wherever required. 		
1.	(b)	· ·	5 5 0	
2.		What is Authoring System? Explain different types of Authoring System. Draw neat labelled diagram for flat bed scanner. Explain scanning mechanism and CCD used in scanning operation.		
3.	dis: app	of most important application using both technologies networks and multimedia is 26 ance learning. You are appointed as a consultant to design the system. For such an ication:— (i) Specify the hardware and software requirements for the same, if this application is to be used in distributed environment. ii) Design its workflow and hence design the entire multimedia system.)	
4.		Explain MPEG-I compression in detail. Explain multimedia system architecture. 10		
5.	. ,	Explain in detail MIDI communication protocol. What are the components of Distributed multimedia systems.		
6.		Explain copy right act of multimedia. How to manage resources during multimedia transmission.		
7.	Wri	e short notes on any two:— (a) Multimedia system design methodology (b) Knowledge based multimedia systems (c) Distributed multimedia Databases.)	

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D Scan Pra 12 Con. 10254-12.

(d) Fault tolerance of DFS.

(REVISED COURSE)

			(3 Hours)	Total Marks: 100				
N.B. (1) Question No. 1 is compulsory.(2) Answer any four from the remaining six.								
1.	(a)	Explain the reasons why the use and popularity of distributed systems are rapidly						
	(b)	increasing, despite the increased complexity and difficulty of building it. Explain how transparency is achieved in Remote Procedure Calls.						
2.	(a) (b)	With neat diagrams, explain the failure handling mechanisms for message passing. Compare stateful and stateless servers.						
3.	(a)	What are the commonly used semantics for ordered delivery of multicast 10						
	(p)	messages? Define thrashing. What are the methods used for solving thrashing problems?						
4.	(a) (b)							
5.	(a)	· · · · · · · · · · · · · · · · · · ·						
	(b)	load balancing algor With neat diagrams are organized.		ways in which threads of a process	10			
6.	٠,	What are the main approaches to verify the validity of cached data in DFS? Compare the characteristic features of system Oriented names and Human Oriented names.						
7.	Write short notes on (any two):— (a) Distributed Computing Environment (DCE) (b) Heterogeneous DSM (c) Election algorithms.							