Data	abase Systems: a Pragmatic Approach	Sample Assignment 9	Elvis C. Fost
1. Ident	ify and summarize five issues to be addressed in database a	dministration.	[12
2. 2.1	Give the definition of a distributed database system.		[03
2.2	What is the difference between database fragmentation and	database replication? Cite a situation that would	warrant each. [04
2.3	State and clarify four of Christopher Date's twelve rules for d	istributed databases.	[12
2.4	Discuss two challenges to distributed databases, and alterna	te approaches for addressing each challenge.	30]
3. 3.1	Describe two challenges to OO database management syste	ems.	[06
3.2	Describe one hybrid approach that facilitates the peaceful co	existence of relational databases and object tech	hnology. [04
of ke	Toyota is a leading automobile distribution company with bra eping track of its sale of multiple product lines and products a s of number of units sold as well as the equivalent sale amou	at various locations on a monthly and yearly bas	
4.1	Construct a database conceptual schema that best represen additional attributes not mentioned in the case providing that introduced than those implied or mentioned in the case.		
4.2	This database schema appears in multiple operational databases operated by the company. However, it is desirable to preserve this schema for the entire organization over an extended time horizon, where information aggregated from the various operation databases will be stored. Based on what you have learned in this course, propose a relevant solution for this problem.		
4.3	Using an appropriate diagram propose a suitable architecture	e for your solution. Provide a brief clarification of	the diagram. [12

Total Possible Points: 83