Q.1 Compare the advantages of distributed database with advantages of centralized database.

Q.2 What we mean by distributed database management system and what are the software components necessary for building DDBMS. List the services supported by DDB and explain the differences between homogeneous and heterogeneous of DDBMS.

Q.3 Compare the problem connected with process design DDB with problem connected with centralized DB.

Q.4 What we mean by:
   a) Availability and reliability in DDB.
   b) Storage cost and benefits in DDB.
   c) Top-down and bottom-up approaches with in data distribution design.

Q.5 In order to build a robust distributed system, it is important know what kind of failures can occur.
   a) List and explain possible types of failure in a distributed system.
   b) Which items in your list are applicable also to a centralized system.

Q.6 With in vertical fragmentation in DDB we measure the benefit of vertically partitioning a fragment Ri by effect of this partitioning.
   a) Explain with example the evaluation of the benefit of this partitioning.
   b) What are the difference between vertical fragment and vertical Clustering.

مع التمنيات بالنجاح
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