PART-1

Q1) Describe Shortly Apriori Analysis; type of data, goals PROBLEM 1 and types of applications.

Answer!

Apriori Analysis is designed to operate on databases (i) Data: containing "transactions"ire. "Transactional Data base" is wed here. Each transaction is seen as a list of items (an itemset). If a relational data base is used, then it must be transformed into set of transactions.

(ii) Goals;

The goal of Apriori Analysis is as follows!

- -> To find the set of frequent items" i.e. the set of items that have minimum support. "Apriori Algorithm" is used to do this process.
 - -> To find the set of "strong association rules" (it required). We use the frequent itemsets to generate associate rules.

(iii) Main Applications:

The following are the applications of Aprion Analysis: -> It is important for effective Market Basket Analysis and it helps the customers in purchasing their items with more case, which increases sales of the markets. Useful is improving "shelving patterns" in big stores.

Useful is improving "shelving patterns" in big stores. L) Useful to improve "target marketing" by connecting Clients data with their buying patterns. L. Useful in medical field, for example "Analysis of patients database" L) Used in many big companies like Google for "auto-complete feature" and by Amazon for "Recommender system",