Computer Science - ICS Part 2 Computer Science Chapter 1 Short Questions Preparation

Q1. Write any two objectives of Data base management system.

Ans 1: Shareability: Different people and different processes must be able to use same actual data virtually the same time. Availability:Both the data and the DBMS which delivers the data must be easily accessible to the users.

Q2. What is Data Dictionary?

Ans 1: Some database have a data dictionary a procedures document or disk file that stores the data definitions or a descriptions of the structure of data used in the database.The data dictionary may monitor the data being entered to make sure it conforms to the data definition i.e file name,field names,field size data types etc.

Q3. What is file?

Ans 1: A collection of related records treated as a single unto is called file or data set.If we collect records of all the employees,it becomes a file of all employees of the bank.

Q4. Write any two advantages of database management.

Ans 1: Data Independence:Application are not aware of the physical implementation of the data sets.The DBMS sets in between the application programs and the actual data sets that make the database.
Support Complex Data Relationship:Fairly complex data structure can e designed which allow various ways to logically view or access the data.This complexity greatly enhance the ability of a designer to put data and provide a path to that data whenever needed,

Q5. Enlist different types of database models.

Ans 1: There are three types of database models:

1. Hierarchical Model
2. Network Model
3. Relational Model

Q6. Describe data manipulation.

Ans 1: The following operation may then be performed on the gathered data.Classifying: Organizing data into classes/groups,items may be assigned predetermined codes;they can be numeric alphabetic or alphanumeric.Calculation: Arithmetic manipulation of the data.Sorting: Data is arranged in logical sequence. Summarizing:Maases of dara reduced to a more concise and usable form.

Q7. Define information.

Ans 1: The manipulated and the processed data is called information.e.g the percentage of the student result.

Q8. Define Data Integrity.

Ans 1: If a data item is contained in more than one file,then all files must be updated if that is changed in a database ,only one copy of data is kept therefore the data is more consistent.

Q9. Why is report generator used in database system?

Ans 1: A reporter generator is a program that is used to produce an on-screen or printed documents from the database.The report format can be specified in advance i.e row heading,column heading,page header etc.Even the non-expert can create very useful and attractive reports by using this facility.

Q10. List any two files types from usage point of view.

Ans 1:

1. Master File
2. Transaction File
3. Backup File