DATABASE
SHEET-1

1.1.   List four government sectors in your country that use database systems?

1.2.   Discuss each of the following terms:

   a) data

   b) database

   c) database management system

   d) database application program

   e) data independence

   f) security

   g) integrity

   h) views

1.3.   Describe the role of database management systems (DBMS) in the database approach. Discuss why knowledge of DBMS is important for database administrators.

1.4.   Describe the main characteristics of the database approach and contrast it with the file-based approach.

1.5.   Describe the five components of the DBMS environment and discuss how they relate to each other.

1.6.   Discuss the roles of the following personnel in the database environment:

   a) data administrator

   b) database administrator

   c) logical database designer

   d) physical database designer

   e) application developer

   f) end-users

1.7.   Discuss the three generations of DBMSs.

1.8.   Why are views an important aspect of database management systems?