

# Data Base Management System

**Year 2008-2011**

Candidates are required to give their answer in their own words as far as practicable.

The questions are of equal value.

Answer five questions including question 1 which is compulsory

1. Fill in the blanks
  - a. DML stands for \_\_\_\_\_.
  - b. A table is collection of \_\_\_\_\_.
  - c. DDL stands for \_\_\_\_\_.
  - d. E-R stand for \_\_\_\_\_.
  - e. Attributes is represented by \_\_\_\_\_.
  - f. Relationship is represented by \_\_\_\_\_.
2. (a) Discuss the file oriented approach verses database oriented approach.  
(b) What is primary key? Explain its advantages?
3. What is data Model? Explain all three types of data models.
4. Define attributes? What are different types of attributes with suitable example?
5. (a) Why do recovery routines use a log?  
(b) What is a buffer? How does the buffer management handles I/O?
6. Explain types of DBMS Languages?
7. What is Key? Define types of Key?
8. Define integrity rule? and Define its type.
9. Explain Codd's Rule.
10. Write short notes on any three :
  - a. 2NF
  - b. Composite key
  - c. Tuple
  - d. Cardinality
  - e. DBA