The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.
The questions are of equal value.

1. Answer any *five* question: 1×5=5
   a) What is integrity constrains?
   b) What is primary key?
   c) What is database schema?
   d) Define data dictionary.
   e) What is DDL?
   f) What is entity?
   g) What is super key?
   h) What is DBA?

2. Answer any *two* questions.   5×2=10
   a) Draw an ER diagram for library management system.   5
   b) Describe differences between file management and DBMS.   5
   c) Describe 2NF and BCNF with example.   5
   d) What is Cartesian product? Give example.   5

3. Answer any *one* question: 10×1=10
   a) What are DML and DCL? Describe 3level architecture of DBMS.   3+7
   b) Describe briefly with an example: derived attribute, multi valued attribute, complex attribute and composite attribute.   What is data independence?   8+2