PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCom DEGREE EXAMINATION JUNE 2014
(Second Semester)

Branch – COMMERCE WITH COMPUTER APPLICATIONS

DATABASE MANAGEMENT SYSTEMS

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 x 2 = 20)

1   Define Schema.
2   What is flat file model?
3   What are Entities?
4   What is E-R Modeling?
5   What is meant by Primary key?
6   Define Deadlock.
7   Brief on embedded SQL.
8   Give the syntax of the UPDATE statement.
9   Define Normalization.
10   What is meant by DKNF?

SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks (5 x 5 = 25)

11 a   What is DBMS? What are the benefits of DBMS?
                         OR
    b   Discuss on Network Model. Give example.

12 a   Explain the E-R diagram conventions with the help of a neat sketch.
                         OR
    b   What do you mean by the degree of a relationship? Explain with an example.

13 a   What is Referential Integrity? Explain with an example.
                         OR
    b   What are the operational constraints used in relational data model?

14 a   What are nested Queries? Give example.
                         OR
    b   Define DDL. Explain DDL statements with an example.

15 a   Brief on De-normalization.
                         OR
    b   Explain Boyce-Codd normal form.

SECTION - C (30 Marks)
Answer any THREE Questions
ALL Questions Carry EQUAL Marks (3 x 10 = 30)

16   Write notes on
     i) Three levels of data abstration in database design.   (6 Marks)
     ii) Object Database Model   (4 Marks)

17   What is E-R Model? Explain the components of E-R Modeling.

18   What is Deadlock? What are the various approaches in handling Deadlock?

19   What is DML? Explain various DML statements with an example.

20   What are the functional dependencies? Explain Third Normal Form with an examples.

Z-Z-Z   END