



Total No. of Questions: 4/18

Total No. of Pages: 2

First Year BBA(CA)
BBA11102: DATABASE MANAGEMENT SYSTEM
(Semester I)

Program: BBA (Computer Application)
Program Specific: BBACA07
Course Type: Major (Mandatory)
Paper: II

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

SECTION: A

Q1) Answer the following .

[1*5= 5 marks]

- a) DBMS is better organized and is easily accessible by using_____.
i) DBMS ii) FMS iii) EMS iv) SMS
- b) An attribute is a_____ in a relation.
i) Row ii) Column iii) Value iv) Tuple
- c) What is the full form of SQL?
i) Simple Query Language ii) Structured Query Language
ii) Simple Question Language iv) Structured Query List
- d) Which is not a Set operation in SQL?
i) Union ii) Intersection iii) Create iv) Difference.
- e) In SQL count function returns the number of_____.
i) Groups ii) Columns iii) Tables iv) Values

SECTION: B

Q2) Attempt the following (any 5)

[1*5= 5 marks]

- a) Define Data and Information.
- b) What is Candidate Key?
- c) Enlist four basic file operations.
- d) Define the term Cardinality.
- e) Enlist Data types of SQL.

- f) What is Union?
- g) What is Record in SQL.

SECTION: C

Q3) Attempt the following (any 4)

[4*4= 16 marks]

- a) Explain various users of DBMS and specify their jobs.
- b) Write Relational Algebraic Expression for the given relations.
Supplier(Supno, Sname, Saddr)
Item(Itemno, Iname, stock)
Supp-Item(Supno, Itemno,rate).
 - i)List all suppliers from 'Pune' city who supplies Magic Book.
 - ii)Display all supplier names.
 - iii)Display all suppliers who supply WATERCOLOR.
 - iv)List all suppliers supplying NATRAJ PENCILS from 'Pune' city.
- c) Differentiate Generalization and Specialization.
- d) Explain DML commands with example.
- e) State and explain aggregate functions in SQL.
- f) What is file organization? Explain the indexed file organization.

SECTION: D

Q4) Attempt the following

[1*4= 4 marks]

- a) In a nursery, the plants are sold to the customers, these plants are flowering and non-flowering only. Nutrients are given to the plants with some quantity. Nutrients include pesticides, watering, and manure.
 - i)Identify all entities.
 - ii) Identify all relations.
 - iii) Draw ERD.
