

B
①

S37112

Q.1 Attempt All.

a)

1. physical level
2. Specialization
3. create view v as "query expression"
4. three levels
5. ABS

b)

1. three level
2. unique
3. committed
4. length
5. DDL

c)

1. A **database** is a collection of related data.
2. Proper Syntax - 1mark
3. Proper Syntax - 1mark.
4. Proper Definition - 1mark
5. age

Q.2 Answer The Following

a) Any 5 disadvantages - 1 mark each.

b) Concept Explanation - 3 marks

Example - 2 marks

c) Binary Relationship - 2marks

Ternary Relationship - 2marks

Example - 1 mark

d) Concept Explanation - 3 marks

Example - 2 marks

e) Each Definition - 1mark

f) Valid Entities - 2 marks

Valid attributes - 2 marks

Relationships - 1mark

2

Q.3 Answer The Following

- a) Explanation of operators - 2 marks.
Query examples - 3 mark
- b) Explanation - 3 mark
Example -2 mark
- c) Backup database - 2^{1/2} marks
Restore Database - 2^{1/2} marks
- d) Group by clause and Having Clause explanation - 3 marks
Query example - 2 marks
- e) Any 5 functions - 1 mark each.
- f)
 - i) Create table Supplier
(suppno int primary key,
sname varchar(20),
city varchar(20));
 - ii) Insert into Supplier values(.....);
 - iii) Delete from supplier
where city like 'M%';

Q.4 Answer The Following

- a) Correct Explanation - 5 marks
- b) Definition of Join - 1mark
Left outer Join with query example - 2 marks
Right outer Join with query example - 2 marks
- c) Explanation of threats - 5 marks
- d) Explanation of privileges - 1 mark
Grant Privileges with example - 2mark

3

Revoke Privilege with example - 2mark

e) Correlated subquery explanation - 2 mark.

Syntax -1 mark

Example - 2 mark

f)

i) Query with proper output - 2 marks

ii) Query with proper output - 1 mark

iii) Query with proper output - 2 marks

Q.5 Answer The Following

a) Concept - 3 marks

Diagram - 2 marks

b) 3 NF - 2^{1/2} marks

BCNF - 2^{1/2} marks

c) Use of Distinct - 1 mark

Use of All - 1marks

Queries using Distinct and All - 3 marks.

d) Creation of User -2^{1/2} marks

Dropping of user - 2^{1/2} marks

e) Concept of view - 2 marks

types of views - 3 marks