



K-3720

First Year B. C. A. (Sem. - II) Examination

October/ November – 2012

Paper - 205 : Database Management System

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृशविल निशानीवाणी विगतो उत्तरवदी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
FIRST YEAR B. C. A. (SEM. - 2)

Name of the Subject :
205 : DATABASE MANAGEMENT SYSTEM

Subject Code No. : 3 7 2 0 Section No. (1, 2,.....) : NIL

Seat No. :

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Student's Signature

(2) Figures on the right side indicate marks.

(3) Take assumption wherever necessary.

1) Answer following (any seven)

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- (1) What is the use of Canonical Cover during normalization?
- (2) What is tuple?
- (3) Define functional dependency.
- (4) What do you understand by 'Logical data independence'?
- (5) What is weak entity set?
- (6) State difference between delete and drop.
- (7) What is SQL, and why it is important?
- (8) What do you understand by data type memo?

2) Answer following (any three)

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- (1) Discuss the disadvantage of file processing.
- (2) What is normalization explain BCNF and compare how it is better than Third Normal Form?
- (3) Explain the binary relationship set and ternary relationship set with an E-R Diagram.
- (4) What are the levels of data abstraction? Mention their features.

3) Answer following (any three)

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- (1) What are the difference between the DBMS and file-processing systems?
- (2) Explain Object-oriented model
- (3) List the responsibilities-functions of database manager?
- (4) Explain the types of Database Users.



4) Answer following (any four)

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- (1) What is meant by 'instances and schemas'? What are the types of schemas?
- (2) What is 'data manipulation'?
- (3) What is Total Participation
- (4) What is Domain Integrity
- (5) Give the list of various types of joins

5) (a) Write SQL Statement to create these tables

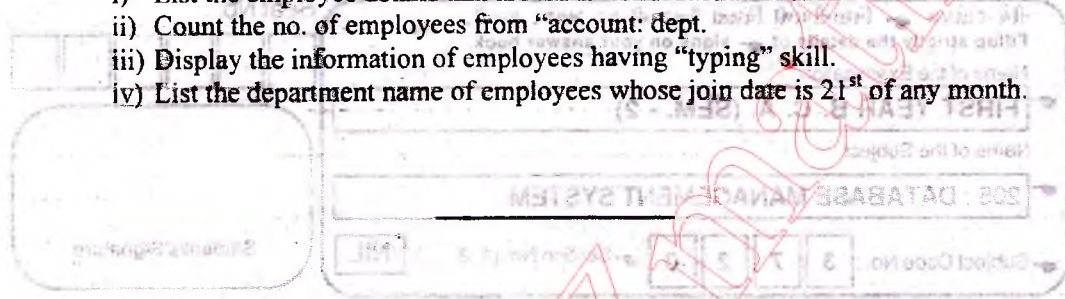
3

Emp(emp_id,name,city,salary,post,dept_no,join_date)
 Department(dept_no,dept_name,location)
 Skill(emp_id,skill)

(b) Solve the following queries

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- i) List the employee details that are from "ahmedabad" or baroda"
- ii) Count the no. of employees from "account: dept.
- iii) Display the information of employees having "typing" skill.
- iv) List the department name of employees whose join date is 21st of any month.



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