

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

02489

Term-End Practical Examination

June, 2014

BCSL-034(P)/S1 : DATABASE MANAGEMENT SYSTEMS LAB

Time : 1 Hour

Maximum Marks : 50

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- Note :** (i) *There are **two** questions in this paper carrying 20 marks each.*
(ii) *Answer both of them.*
(iii) *10 marks are for viva-voce.*
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1. Create the following tables :

Supplier (S#, sname, status, city)

Parts (P#, pname, colour, weight, city)

SP (S#, P#, quantity)

Select appropriate datatype for each of the fields. Identify appropriate "Keys".
Input meaningful data for at least 10 records.

20

2. For the above tables given in Q1, answer the following queries using SQL : 5×4=20

- (a) Find the name of supplier for city = 'Delhi'.
- (b) Find the no. of suppliers who supply 'red' part.
- (c) Sort the supplier table by sname.
- (d) Display the S#, sname, status for the city = 'Mumbai'.
- (e) Display the pname of all the parts with weight above 50 gms.

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

01156

June, 2014

BCSL-034(P)/S2 : DATABASE MANAGEMENT SYSTEMS LAB

Time : 1 Hour

Maximum Marks : 50

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- Note :**
- (i) *There are two questions in this paper carrying 20 marks each.*
 - (ii) *Answer both of them.*
 - (iii) *10 marks are for viva-voce.*
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1. Create the following tables :

Student (rollno, name, branch)

Exam (rollno, subject_code, marks_obtained, paper_code)

Papers (paper_code, paper_setter_name, university)

Select appropriate datatype for each of the fields. Identify appropriate "Keys".

Input meaningful data for at least 10 records.

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2. For the above tables given in Q1, answer the following queries using SQL : 5×4=20

- (a) Display the rollno's of all the students whose name starts with the alphabet 'A'.
- (b) Display the rollno and marks_obtained for all the students in the "MCS-031", subject_code.
- (c) Display the paper_setter's name who has set the paper "MCS-034".
- (d) Display all the students' names and rollno who belong to "Computer-Science" branch.
- (e) Sort the students by their roll_no.

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

June, 2014

BCSL-034(P)/S3 : DATABASE MANAGEMENT SYSTEMS LAB

Time : 1 Hour

Maximum Marks : 50

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- Note :** (i) There are **two** questions in this paper carrying 20 marks each.
(ii) Answer both of them.
(iii) 10 marks are for viva-voce.
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1. Create the following tables :

Branch (Branch_name, City)

Account (Branch_name, Acc_No, Balance)

Depositor (Customer_name, Acc_No, Add1, Add2, City)

Select appropriate datatype for each of the fields. Identify appropriate "Keys".
Input meaningful data for at least 10 records.

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2. For the above tables given in Q1, answer the following queries using SQL : 5×4=20

- Find out list of customers who have account at 'abc' branch.
- Display all the Acc_No's whose Customer_Name starts with alphabet "A".
- Display the depositor's name and address of customers who stay in 'Delhi' city.
- Display Acc_No and balance of any customer.
- Find out the Customer_name who has maximum balance in his/her account of branch 'abc'.

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

00288

Term-End Practical Examination
June, 2014

BCSL-034(P)/S4 : DATABASE MANAGEMENT SYSTEMS LAB

Time : 1 Hour

Maximum Marks : 50

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- Note :** (i) There are **two** questions in this paper carrying 20 marks each.
(ii) Answer both of them.
(iii) 10 marks are for viva-voce.
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1. Create the following tables :

Student (RollNo, Name, Class, Age, Sex, City)

Student_Marks (RollNo, Sub1, Sub2, Sub3, Total, Average)

Select appropriate datatype for each of the fields. Identify appropriate "Keys".
Input meaningful data for at least 10 records.

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2. For the above tables given in Q1, answer the following queries using SQL : 5×4=20

- (a) Calculate and store the values of total and average of all the students.
- (b) Display name of the students who got more than 80 marks in subject Sub1.
- (c) Display the RollNo's of all the students whose average is above 80%.
- (d) Display the RollNo's and names of all the students whose total is less than 120.
- (e) Display the name of the student who has scored most marks in Sub2.