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BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012

03625

BCSL-034 : DATA BASE MANAGEMENT SYSTEM LAB

Time allowed : 1 hour

Maximum Marks : 50

Note : There are *two* questions in this paper carrying **20** marks each. **10** marks are for viva - voce.

1. Create a table named Book with following fields : 20
(ISBN, TITLE, AUTHOR (s), PUBLISHER, NO. OF AUTHORS, YEAR, VOLUME, PRICE, NO. OF PAGES)
Select appropriate datatypes for each of the field. Identify ISBN as PRIMARY KEY.
 2. Enter at least 10 records for the above table given in Q1 and answer the following queries using SQL : 20
 - (a) To display all the books published in the year 2011.
 - (b) Select all the books of Volume - II
 - (c) Display all the books published in the year 2010 and whose price is greater than or equal to Rs. 500/-
 - (d) Display the ISBN of a selected book, if the title is given by the user.
 - (e) Display all the books which were written by 2 or more authors.
-

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BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012

01545

BCSL-034 : DATA BASE MANAGEMENT SYSTEM LAB

Time allowed : 1 hour

Maximum Marks : 50

Note : There are *two* questions in this paper carrying 20 marks each. 10 marks are for viva - voce.

1. Create a table named SALARY - DETAILS with following fields : 20
(ENAME, ENO, DEPT, BRANCH, BASIC, HRA, DEDUCTIONS, TAX, DATE-OF-JOIN)
Select appropriate datatypes for each of the field. Identify ENO as PRIMARY KEY.
 2. Enter atleast 10 records for the above table given in Q1 and answer the following queries using SQL : 20
 - (a) Find the average of BASIC pay from the table.
 - (b) Determine the maximum and minimum of deductions from the above table.
 - (c) Sort all the records as per their BASIC pay in ascending order.
 - (d) Sort all the records as per the DATE-OF-JOIN.
 - (e) Display all the records whose ENAME starts with "s".
-

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BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012

00605

BCSL-034 : DATA BASE MANAGEMENT SYSTEM LAB

Time allowed : 1 hour

Maximum Marks : 50

Note : There are *two* questions in this paper carrying **20** marks each. **10** marks are for viva - voce.

1. Create a table named CONTACT with following fields. 20
(SNAME, ENROLNO, SEMESTER, BRANCH-OF-ENGINEERING, ADDRESS 1, ADDRESS 2, CITY, STATE, MOBILE, EMAIL ADDRESS, PIN-CODE)
Select appropriate datatypes for each of the field. Identify ENROLNO as PRIMARY KEY.
 2. Enter atleast 10 records for the above table given in Q1 and answer the following queries using SQL : 20
 - (a) Display all the records which doesn't have the mobile - nos.
 - (b) Sort all the records as per SNAME chronologically.
 - (c) Display all the records who are in 3rd semester of computer science branch.
 - (d) Display all the records whose CITY is given by the user.
 - (e) Display SNAME and EMAIL ADDRESS of all the records whose SNAME starts with "A".
-

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SET - 4

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012

01875

BCSL-034 : DATA BASE MANAGEMENT SYSTEM LAB

Time allowed : 1 hour

Maximum Marks : 50

Note : There are *two* questions in this paper carrying 20 marks each. 10 marks are for viva - voce.

-
1. Create a table DEPENDENT with following fields. 20
(ENO, DEPENDENT NAME, SEX, DATE - OF - BIRTH, AGE' RELATIONSHIP)
Select appropriate datatypes for each of the field. Identify ENO as PRIMARY KEY.
 2. Enter atleast 10 records for the above table given in Q1 and answer the following queries using SQL : 20
 - (a) List all the records DEPENDENT'S NAME, SEX, RELATIONSHIP of ENO = '123'.
 - (b) List all the records by sorting in ascending order of ENO.
 - (c) List all the records whose SEX = 'm'.
 - (d) List all the records consisting of ENO, DEPENDENT NAME whose RELATIONSHIP = 'WIFE'.
 - (e) List all the records consisting of ENO, DEPENDENT NAME whose AGE > 60 years.
-

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**BACHELOR OF COMPUTER APPLICATIONS(BCA)
(Revised)****Term-End Practical Examination****03025****June, 2013****BCSL-034 : DATABASE MANAGEMENT SYSTEMS LAB***Time allowed : 1 hour**Maximum Marks : 50*

Note : There are *two* questions in this paper carrying **20** marks each. Answer both of them. **10** marks are for *viva voce*.

1. Create a table named STUDENT with the following fields : 20

(FIRST NAME, MIDDLE NAME, LAST NAME, STUDENT_ENRLNO, DATE_OF_BIRTH, CLASS, SECTION, GENDER, YEAR_OF_JOIN, ADMISSION_NO, ADDRESS1, ADDRESS2, CITY, STATE, RESPHONE, PIN_CODE)

Select appropriate data types for each of the fields. Identify STUDENT_ENRLNO as primary key. Input meaningful data of atleast 10 records.

2. For the above table, in Q 1 answer the following queries using SQL : 20

- (a) Display all the list of students who are in class - 6, section - A.
 - (b) To display all the students list whose first name starts with "A".
 - (c) To display all the students list who are girls.
 - (d) To display all the students whose YEAR-OF-JOIN is 2000.
 - (e) Sort the records of students with respect to their ADMISSION_NO, in ascending order.
-

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**BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)****Term-End Practical Examination**

00355

June, 2013**BCSL-034 : DATABASE MANAGEMENT SYSTEMS LAB***Time allowed : 1 hour**Maximum Marks : 50*

Note : There are *two* questions in this paper carrying **20** marks each. Answer both of them. **10** marks are for *viva - voce*.

1. Create a table named Book with the following fields : 20

(TITLE, CATEGORY, ISBN NUMBER, YEAR_OF_PUBLISHING, AUTHOR 1, AUTHOR 2, AUTHOR 3, PUBLISHER, EDITION, PRICE, ACCESSION_NUMBER)

Select appropriate data types for each of the fields'. Identify ACCESSION_NUMBER as primary key. Input meaningful data of atleast 10 records.

2. For the above table, Q 1 answer the following queries using SQL : 20

- (a) Display all the books-list whose year of publication is 2009.
- (b) Display all the books whose CATEGORY is FICTION.
- (c) Sort the books in ascending order of ACCESSION_NUMBERS.
- (d) Display all the list of books whose PUBLISHER name is McMillan.
- (e) Display all the books whose CATEGORY is COMPUTERS and whose price <Rs. 300/-.

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BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

Term-End Practical Examination

01711

June, 2013

BCSL-034 : DATABASE MANAGEMENT SYSTEMS LAB

Time allowed : 1 hour

Maximum Marks : 50

Note : There are *two* questions in this paper carrying **20** marks each. Answer both of them. **10** marks are for *viva - voce*.

-
1. Create a table named CUSTOMER with the following fields : 20
(CUSTOMER_NAME, CUSTOMER_ID, ADDRESS_I, ADDRESS_II, MOBILE NO, EMAIL_ADDRESS, PRODUCT_PURCHASED, PRODUCT_CODE, PRICE, WARRANTY_NO_OF_YEARS, DATE-OF-PURCHASE, PRICE)
Select appropriate data types for each of the fields. Identify CUSTOMER_ID as primary key. Input meaningful data of atleast 10 records.
 2. For the above table, Q 1 answer the following queries using SQL : 20
 - (a) Display the CUSTOMER_ID of customer name Sh. Ashok Kumar.
 - (b) Display all the PRODUCTS purchased on 26th April, 2013.
 - (c) Display all the PRODUCTS whose PRICE is less than Rs. 10,000/- and purchased on 26th April, 2013.
 - (d) Display all the CUSTOMER_ID's.
 - (e) Display all the products whose warranty is 1 year.
-

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SET - 4

**BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)**

00125

Term-End Practical Examination**June, 2013****BCSL-034 : DATABASE MANAGEMENT SYSTEMS LAB***Time allowed : 1 hour**Maximum Marks : 50*

Note : There are *two* questions in this paper carrying 20 marks each. Answer both of them. 10 marks are for *viva - voce*.

-
1. Create a table named DVD with the following fields : 20
(DVD_TITLE, DVD_ID, CATEGORY (ACTION, THRILLER, DRAMA, COMEDY, FICTION) PRICE, DATE_OF_PURCHASE, NO.OF COPIES)
Select appropriate data types for each of the fields'. Identify DVD_ID as primary key.
Input meaningful data of atleast 10 records.
 2. For the above table, Q 1 answer the following queries using SQL : 20
 - (a) Display all the DVD titles which comes under ACTION.
 - (b) Display all the DVD_ID's whose price is less than Rs.110/-
 - (c) Display all the DVD titles whose title starts with "B".
 - (d) Display all the DVD titles, DVD_ID's which were bought on 20th April, 2013.
 - (e) Display all the DVD titles which procured in the year 2012.
-

No. of Printed Page : 1

SET - 1

BACHELOR OF COMPUTER APPLICATIONS(BCA)
(Revised)

01651

Term-End Practical Examination

December, 2013

BCSL-034 : DATABASE MANAGEMENT SYSTEMS LAB

Time allowed : 1 hour

Maximum Marks : 50

- 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*.

-
1. Create a table name "Book" with the following fields : 20
(ISBN, TITLE, AUTHOR, PUBLISHER, YEAR, PRICE)
Select appropriate data type for each of the fields.
Identify ISBN as primary key. Input meaningful data for atleast 10 records.
2. For the above table in Q. 1 answer the following queries using SQL : 20
- (a) Create a view to see only the ISBN, TITLE and PUBLISHER.
 - (b) Get the names of all the books whose price is greater than Rs. 250/-.
 - (c) Sort the table using the YEAR field in ascending order.
 - (d) Display all the titles and authors whose title of the book starts with "INTRODUCTION".
 - (e) List all the ISBN and TITLE only for all the records.
-

No. of Printed Page : 1

SET - 2

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

00951

Term-End Practical Examination

December, 2013

BCSL-034 : DATABASE MANAGEMENT SYSTEMS LAB

Time allowed : 1 hour

Maximum Marks : 50

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*.

1. Create a table with name "ORDER_SUMMARY" with the following fields : 20
(ORDER_NO, MEMBER_ID, ORDER_DATE, AMOUNT, STATUS (CANCELLED/
SHIPPED/PROCESSING))
Select appropriate data type for each of the fields.
Identify ORDER_NO as primary key. Input meaningful data for atleast 10 records.
2. For the above table in Q. 1 answer the following queries using SQL : 20
- (a) Display only ORDER_NO and STATUS for all the records.
 - (b) Display all the ORDERS and ORDER_DATE whose AMOUNT > 1,00,000.
 - (c) Sort the records in ascending order by ORDER_DATE.
 - (d) Create a view to see only the ORDER_NO and AMOUNT.
 - (e) List all the MEMBER_ID's. No duplicacy should be allowed.
-

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BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

01984

Term-End Practical Examination

December, 2013

BCSL-034 : DATABASE MANAGEMENT SYSTEMS LAB

Time allowed : 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*.
-

1. Create a table with name "CATOLOG" with the following fields : 20
(BOOK_ID, TITLE, AUTHOR_ID, PUBLISHER_ID, CATEGORY_ID, YEAR, PRICE)
Select appropriate data type for each of the fields.
Identify BOOK_ID as primary key. Input meaningful data for atleast 10 records.
2. For the above table in Q. 1 answer the following queries using SQL : 20
- (a) List all the PUBLISHER_ID's. Should not allow the duplicacy.
 - (b) List all the AUTHOR_ID's. Should not allow the duplicacy.
 - (c) Create a view for the table with the fields BOOK_ID, TITLE and PRICE.
 - (d) Sort the table using the field PRICE, in ascending order.
 - (e) List all the books whose title starts with alphabet "A".
-

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SET - 4

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

00071

Term-End Practical Examination**December, 2013****BCSL-034 : DATABASE MANAGEMENT SYSTEMS LAB***Time allowed : 1 hour**Maximum Marks : 50*

-
- 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*.
-

1. Create a table with name MEMBER with the following fields : 20
(MEMBER_ID, MEMBER_NAME, ADDR 1, ADDR 2, CITY, STATE, PIN, MOBILE_NO, EMAIL_ADDR)
Select appropriate data type for each of the fields.
Identify the MEMBER_ID as primary key. Input meaningful data for atleast 10 records.
2. For the above table in Q. 1 answer the following queries using SQL : 20
- (a) List all the MEMBER_ID's and MOBILE_NO. only.
 - (b) List all the MEMBER_ID's who stay in DELHI.
 - (c) Create a view for the fields MEMBER_ID, MEMBER_NAME and EMAIL_ADDR of the table.
 - (d) Sort the table alphabetically on the MEMBER_NAME field.
 - (e) List all the EMAIL_ADDR's only.
-

No. of Printed Pages : 1

BCSL-034(P)/S1

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*

-
- 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.
-

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.

No. of Printed Pages : 1

BCSL-034(P)/S2

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*

- 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.

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.

20

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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.

No. of Printed Pages : 1

BCSL-034(P)/S3

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*

- 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.

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.

20

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

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

No. of Printed Pages : 1

BCSL-034(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

June, 2014

00288

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

*Time : 1 Hour**Maximum Marks : 50*

- 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.

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.

20

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.

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2015

00749

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

Time : 1 Hour

Maximum Marks : 50

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

1. Create the following table "WORKSHOP" with the following fields :

(NAME_OF_THE_PARTICIPANT, INSTITUTION, DESIGNATION, CITY,
PARTICIPANT_ID, FEES_PAID (YES/NO), AMOUNT,
ACCOMMODATION_REQUIRED (YES/NO), MOB_NO, EMAIL,
CONTACT_ADDR1, CONTACT_ADDR2, STATE)

Select appropriate datatypes for each of the fields. Identify the primary key.
Input meaningful data of at least 10 records.

20

2. For the above table created in Q.1, answer the following queries using SQL : $4 \times 5 = 20$
- (a) To display all the participants with designations Assistant Professors and who are from Delhi.
 - (b) To display only the list of names of all the participants who require accommodation also.
 - (c) To display the total amount paid by all the participants.
 - (d) List all the Mob_no, Email addresses along with the names of the participants.

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2015

00089

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

Time : 1 Hour

Maximum Marks : 50

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

1. Create the following table "NATIONAL_CONFERENCE" with the following fields :

(NAME_OF_THE_PARTICIPANT, ORGANISATION/UNIVERSITY, PAPER_ID, DESIGNATION, PARTICIPANT_ID, CITY, AMOUNT_PAID, ACCOMMODATION_REQUIRED (YES/NO), PARTICIPANT/PAPER_PRESENTER, MOB_NO, EMAIL, CONTACT_ADDR1, CONTACT_ADDR2, STATE)

Select appropriate datatypes for each of the fields. Identify the primary key.
Input meaningful data of at least 10 records.

20

2. For the above table created in Q.1, answer the following queries using SQL : 4×5=20
- (a) To display the total number of participants from MUMBAI city.
 - (b) To display all the PAPER_ID of the presenters in the conference.
 - (c) To display the total amount received from all the participants/presenters.
 - (d) To display the list of all the participants with designation Associate Professor.

No. of Printed Pages : 1

BCSL-034(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

01339

Term-End Practical Examination

December, 2015

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

Time : 1 Hour

Maximum Marks : 50

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

1. Create the following table "LEAVE_TRAVEL_CONCESSION" with the following fields :

(NAME_OF_THE_EMPLOYEE, EMP_ID, DESIGNATION, BASIC_PAY+AGP,
BLOCK_YEAR (2014 – 2017/2011 – 2013),
WHETHER_AVAIL_LEAVE_ENCASHMENT (YES/NO),
ANY_WHERE/HOME_TOWN, TRAVEL_START_DATE, TRAVEL_END_DATE,
SELF/FAMILY, DESTINATION_CITY, AIR/RAILWAY/BUS)

Select appropriate datatypes for each of the fields. Identify the primary key.
Input meaningful data of at least 10 records.

20

2. For the above table created in Q.1, answer the following queries using SQL : 4×5=20
- (a) To display all the employees availing the LTC of current slot (2014 – 2017).
 - (b) To display the list of all the employees with designation DIRECTOR availing LTC.
 - (c) To display all the list of employees with the Destination_City BANGALORE.
 - (d) To display all the employees who are travelling only "SELF".

No. of Printed Pages : 1

BCSL-034(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2015

00139

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

Time : 1 Hour

Maximum Marks : 50

- 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.

1. Create the following table "STUDENT_ASSIGNMENTS_SUBMISSION" with the following fields :

(NAME_OF_THE_STUDENT, ENROL_NO, PROGRAMME,
PROGRAMME_CODE, RC, RC_CODE, SC_CODE, CITY, SEMESTER,
A_COURSE1, A_COURSE2, A_COURSE3, A_COURSE4, A_COURSE5,
A_LAB_COURSE1, A_LAB_COURSE2, DATE_OF_SUBMISSION)

Select appropriate datatypes for each of the fields. Identify the primary key.
Input meaningful data of at least 10 records. 20

2. For the above table created in Q.1, answer the following queries using SQL : 4×5=20
- (a) To display all the students with name and enrol no. who belong to BCA 3rd semester.
 - (b) To display all the student details who submitted the A_Course1 assignments within the due date.
 - (c) To display all the BCA students who reside in DELHI State.
 - (d) List the Enrol_no of all who have submitted the assignments during Sept-2015.

No. of Printed Pages : 1

BCSL-034 - Set - 1

**BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)**

Term-End Examination

01988

June, 2016

**BCSL-034 Set - 1 : DATABASE MANAGEMENT SYSTEMS
LAB**

Time : 1 hour

Maximum Marks : 50

-
- Note :** (i) *There are 2 questions in this paper carrying 20 marks each.*
(ii) *Answer them both.*
(iii) *10 marks are for viva-voce.*
-

1. Create the following database defined below : 20
- SUPPLIER (Supplier #, Company_Name, City)
PARTS (Part #, Weight)
SUPPLY_PARTS (Supplier #, Part #)
PROJECTS (Project #, Part #, Quantity)
ORDERS (Part #, Supplier #, Date_of_Delivery)
- Select appropriate datatypes for each of the fields. Input meaningful data of at least 10 records.
2. For the above database created in Q1, answer the following queries using SQL : 5x4=20
- (a) Find all the parts supplied by supplier "123".
(b) Find the cities where supplier "324" is located.
(c) Find another supplier who supplies at least one part supplied by supplier "431".
(d) Find all the projects where part "P7" is used.
(e) Find all the suppliers who supplies part "P5".
-

No. of Printed Pages : 1

BCSL-034 - Set - 2

**BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)**

Term-End Examination

00278

June, 2016

**BCSL-034 - Set - 2 : DATABASE MANAGEMENT SYSTEMS
LAB**

Time : 1 hour

Maximum Marks : 50

-
- Note :** (i) There are 2 questions in this paper carrying 20 marks each.
(ii) Answer them both.
(iii) 10 marks are for viva-voce.
-

1. Create the database for the given schema below : 20
- ENROLL (S#, C#, Section)
TEACH (Prof, C#, Section)
ADVISE (Prof, S#)
PRE_REQ (C#, Pre_C#)
GRADES (S#, C#, Grade, Year)
STUDENT (S#, Sname)
- S# is student number, C# is course number, Prof in this is advisor of S#, Pre_C# is prerequisite course, Sname is student name. Input 10 meaningful records.
2. For the above database given in Q1, answer the following queries using SQL : 5x4=20
- List all the students taking courses with Prof Rahul.
 - List all the students taking at least one course that their Advisor (Prof) teaches.
 - List all the courses offered by Prof. Mathews
 - List all the professors and their courses.
 - List the Grades of all students with course number "123" for the year 2016.
-

No. of Printed Pages : 1

BCSL-034 - Set - 3

**BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)**

Term-End Examination

00758

June, 2016

**BCSL-034 - Set - 3 : DATABASE MANAGEMENT SYSTEMS
LAB**

Time : 1 hour

Maximum Marks : 50

-
- Note :** (i) There are 2 questions in this paper carrying 20 marks each.
(ii) Answer them both.
(iii) 10 marks are for viva-voce.
-

1. Create a database for the following schema : 20
BOOK (ISBN, Title, Publisher_Name, Author_Name, Price, Year_of_Pub)
AUTHOR (Author_ID, Author_Name, ISBN, Addr1, Addr2, City, State)
The key fields are underlined. Select appropriate datatypes for the fields. Input 10 meaningful records.
2. For the above database created in Q1, answer the following queries using SQL : 5x4=20
- (a) List all the books published by Publisher_Name = "ABC Publishing House".
 - (b) List all the author names, Author_ID, ISBN who belongs to "DELHI" city.
 - (c) List all the prices of books greater than ₹ 500 and published in 2015 by "ABC Publishing House".
 - (d) List all the Author_ID's and Author_Names who belongs to Haryana state.
 - (e) List the Author_Name of book with ISBN No. "11231142364".
-

No. of Printed Pages : 1

BCSL-034 - Set - 4

**BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)**

Term-End Examination

00878

June, 2016

**BCSL-034 - Set - 4 : DATABASE MANAGEMENT SYSTEMS
LAB**

Time : 1 hour

Maximum Marks : 50

-
- Note :** (i) There are 2 questions in this paper carrying 20 marks each.
(ii) Answer them both.
(iii) 10 marks are for viva-voce.
-

1. Create the database with the schema given below : 20
EMPLOYEE (ENo, EName, Skill, Pay)
POSITION (Posting_No, Skill)
DUTY_ALLOCATION (Posting_No, ENo, Day, Shift)
Note : (Shift has 3 shifts 8 hours each).
Select appropriate datatype for each of the fields. Input 10 meaningful records.
2. For the above database created in Q1, answer the following queries using SQL : 5x4=20
(a) List all the ENo, ENames whose Pay is more than ₹ 10,000/- .
(b) List the ENos of all the employees who are in 3rd shift on 24th Apr, 2016.
(c) List the Posting_Nos of all the skills.
(d) List the ENo of "John".
(e) List the EName of ENo "111".
-

No. of Printed Pages : 1

BCSL-034(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

01043

Term-End Practical Examination

December, 2016

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

Time : 1 Hour

Maximum Marks : 50

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

1. Create the following database defined below :

EMPLOYEE (ENo, EName, Birth_Date, Address, DNo)

DEPARTMENT (DNo, DName, DManager)

DEPT_LOCATION (DNo, DLocation, Country)

WORKS_ON (ENo, PNo, Hours)

PROJECT (PName, PNo, PLocation, DNo)

Select appropriate datatypes for each of the fields. Input meaningful data of at least 10 records.

20

2. For the above database created in Q.1, answer the following queries using SQL :

5×4=20

- (a) To find the EName and ENo of all the employees who work for PNo = 111.
- (b) To display the no. of hours allocated for ENo = 001.
- (c) To display all the projects whose PLocation is "Delhi".
- (d) To display all the DNos and DLocations.
- (e) To display all the ENos and ENames of the company.

No. of Printed Pages : 1

BCSL-034(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

01673

Term-End Practical Examination

December, 2016

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

*Time : 1 Hour**Maximum Marks : 50*

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

1. Create the following table with the fields given below :

Book (ISBN, Title, Author_1, Author_2, Publisher, Year, Price, No_of_Pages, Subject_Category)

Select ISBN as the primary key. Insert 20 meaningful records. Select appropriate datatypes for all the fields.

20

2. For the above table in Q.1, answer the following queries using SQL :

5×4=20

- (a) Display all the ISBNs of Subject_Category = "Computer_Science".
- (b) Display all the Titles whose price is \geq ₹ 500.
- (c) Display all the Authors whose name starts with "A".
- (d) Display the list of all the Publishers.
- (e) Display all the details of the books which are published in 2003 or before.

No. of Printed Pages : 1

BCSL-034(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

00723

Term-End Practical Examination

December, 2016

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

*Time : 1 Hour**Maximum Marks : 50*

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

1. Create the following table with the fields given below :

ORDER (ORD_NO, ISBN, NO_OF_COPIES, DATE_OF_ORDER,
RATE_OF_EACH_COPY, AUTHOR, PUBLISHER, YEAR)

Select ISBN as primary key. ORD_NO should be generated sequentially. Select appropriate datatypes for all the fields. Insert at least 20 meaningful records. 20

2. For the above table created in Q.1, answer the following queries using SQL : 5×4=20
- (a) To print all the ORD_Nos whose No_of_copies are ≥ 200 .
 - (b) To print the DATE_OF_ORDER for the book with ISBN = "1112311".
 - (c) To display all the details of books_order whose publisher name is "TMGH".
 - (d) To display all the ORD_NOs whose year of publication of books is 2003.
 - (e) To display ORD_NO, RATE_OF_EACH_COPY for the book written by the Author = TIM and published by "McGraw Hill".
-

No. of Printed Pages : 1

BCSL-034(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2016

00748

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

Time : 1 Hour

Maximum Marks : 50

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

1. Create the following table with the fields given below for Department of Engg and Technology :

(Programme_Code, Programme_title, No_of_students_Enrolled, Year_of_start, No_of_centres_Activated, No_of_credits, No_of_semesters, Prog_Coordinator)

Select a primary key. Input at least 10 meaningful records. Select appropriate datatypes for all the fields.

20

2. For the above table designed in Q.1, answer the following queries using SQL : $5 \times 4 = 20$

- (a) To display all the programme_code along with their programme_title.
- (b) To find the highest enrolled programme.
- (c) To display the No_of_centres activated for Computer Science and Engg programme.
- (d) To display the No_of_credits of Mechanical Engg programme.
- (e) To display all the programmes whose Year_of_start is 2000.

No. of Printed Pages : 1

BCSL-034(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

June, 2017

02148

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

Time : 1 Hour

Maximum Marks : 50

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

1. Create the following tables with the fields given below :

STU_DETAILS (ENO, SNAME, DOB, ADDR1, ADDR2, CITY, COUNTRY)

MARK_DETAILS (ENO, MARKS1, MARKS2, MARKS3, TOTAL)

Select an appropriate primary key. Input at least 10 meaningful records. Select appropriate data types for all the fields.

20

2. For the above tables designed in Q.1, answer the following queries using SQL :

- (a) To display the student name of the student who scored the highest TOTAL. 4
- (b) To display the MARKS1 of all the students. 4
- (c) To display the ENOs of all the students who scored >50 marks in MARKS2. 4
- (d) Alter the table MARK_DETAILS to add a column AVG with appropriate data type. 4
- (e) Using appropriate command drop the column COUNTRY from STU_DETAILS. 4

No. of Printed Pages : 1

BCSL-034(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

01885

June, 2017

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

*Time : 1 Hour**Maximum Marks : 50*

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

1. Create the following tables with the fields given below :

EMP (ENO, ENAME, DOB, ADDR1, ADDR2, CITY, DOJ, MOB_NO, DEPT_NO, SALARY)

DEPT (DEPT_NO, DEPT_NAME, LOCATION)

Select an appropriate primary key. Input at least 10 meaningful records. Select appropriate data types for all the fields.

20

2. For the above tables designed in Q.1, answer the following queries using SQL :

- (a) To display all the employees ENO, ENAME working in FINANCE_DEPT. 4
- (b) To display all the employees ENO whose salary is > 50,000 per month. 4
- (c) To display the location of HR_DEPT. 4
- (d) Display the difference of DOJ and till date (in months). 4
- (e) Alter the table EMP to add a column **COUNTRY** with an appropriate data type. 4

No. of Printed Pages : 1

BCSL-034(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

00718

June, 2017

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

*Time : 1 Hour**Maximum Marks : 50*

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

- 1.** Create the following tables with the fields given below :

CUSTOMER (C_ID, C_NAME, ADDR, MOBILE, PAN_NO)

LOAN (L_ID, AMOUNT, INTEREST_RATE, C_ID)

Select an appropriate primary key. Input at least 10 meaningful records. Select appropriate data types for all the fields.

20

- 2.** For the above created tables in Q.1, answer the following queries using SQL :

(a) To display the C_ID and L_ID of all the customers whose loan amount is above 1 lakh.

4

(b) To display the interest_rate of L_ID = 123456.

4

(c) To display the C_ID, MOBILE, PAN_NO of all the customers who have taken loans.

4

(d) Add a column in CUSTOMER with a field "EMAIL_ADDR".

4

(e) Add a column LOAN_START_DATE in the LOAN table.

4

No. of Printed Pages : 1

BCSL-034(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

00405

Term-End Practical Examination

June, 2017

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

*Time : 1 Hour**Maximum Marks : 50*

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

1. Create the following tables with the fields given below :

BUS (ROUTE_NO, START_POINT, DESTINATION)

PASSENGER (PID, PNAME, GENDER, AGE)

BOOKING (PID, ROUTE_NO, JRNY_DATE, SEAT_NO)

Select an appropriate primary key(s). Input at least 10 meaningful records.

Select appropriate data types for all the fields.

20

2. For the above created tables in Q.1, answer the following queries using SQL :

- (a) To display all the passengers on ROUTE_NO = 123 travelling from CHENNAI to TIRUPATI. 4
- (b) To display all the PIDs and GENDER of all the passengers travelling on ROUTE_NO = 345 on current_date. 4
- (c) To display all the ROUTE_NOs. 4
- (d) To add a column **FARE** in BOOKING table. 4
- (e) To delete a column **GENDER** in PASSENGER table. 4

No. of Printed Pages : 1

BCSL-034(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2017

02792

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

Time : 1 Hour

Maximum Marks : 50

- Note :**
- (i) *There are two **compulsory** questions in this paper.*
 - (ii) *Each question carries 20 marks.*
 - (iii) *Rest 10 marks are for viva-voce.*

1. Create the following tables with the fields given below :

TEACHER (ID, Name, Dep_ID, Subject, Experience_in_years)

DEPARTMENT (Dep_ID, D_Name, Address, City)

Select appropriate primary keys. Input at least 5 meaningful records in the tables. Select appropriate data types for all the fields.

20

2. For the tables designed in question no. 1 above, answer the following queries using SQL :

5×4=20

- (a) List the names of all the teachers who teach "Computer Science" and have more than 10 years of experience.
- (b) List the addresses of all the "Physics Department" in city "Delhi".
- (c) Add column Date_of_Birth in the TEACHER table.
- (d) Display the names and addresses of all the teachers of "Computer Science" who work for "Dep_ID = 110011".
- (e) Display the names and subjects of all the teachers whose experience is less than 5 years.

No. of Printed Pages : 1

BCSL-034(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2017

01552

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

*Time : 1 Hour**Maximum Marks : 50*

- Note :**
- (i) *There are two **compulsory** questions in this paper.*
 - (ii) *Each question carries 20 marks.*
 - (iii) *Rest 10 marks are for viva-voce.*

-
1. Create a table with the name "BOOK" with the following fields :
(ISBN, Author_Name, Publisher, Subject, Year_of_Publication, Price, Book_Title)
Select an appropriate primary key. Input at least 10 meaningful records in the table. Select appropriate data types for all the fields. 20
 2. For the table designed in question no. 1 above, answer the following queries using SQL : 5×4=20
 - (a) Display Author_Name and Book_Title of all the "Computer Science" books.
 - (b) Display Book_Title and Price of all the books published by "XYZ Publisher".
 - (c) Display Author_Name and Book_Title of all the books whose price is less than ₹ 500 and published after 2014.
 - (d) Add column Author_email in the table BOOK.
 - (e) Find the number of books whose price is less than ₹ 1,000.
-

No. of Printed Pages : 1

BCSL-034(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

01362

December, 2017

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

Time : 1 Hour

Maximum Marks : 50

- Note :**
- (i) There are two **compulsory** questions in this paper.
 - (ii) Each question carries 20 marks.
 - (iii) Rest 10 marks are for viva-voce.

1. Create a table with the name "ACCOUNT" with the following fields :
(Account_No, Cust_Name, Branch_Name, Account_Balance, Account_Type)
Select an appropriate primary key. Input at least 10 meaningful records in the table. Select appropriate data types for all the fields. 20
2. For the table designed in question no. 1 above, answer the following queries using SQL : 5×4=20
 - (a) Display the Cust_Name and Account_No of the customers of "Branch = IGNOU PNB".
 - (b) Display the names and account types of all the customers whose account balance is more than ₹ 10,000.
 - (c) Add column Cust_Date_of_Birth in the ACCOUNT table.
 - (d) Drop column Account_Type from the ACCOUNT table.
 - (e) Display Account_No, Cust_Name and Branch of all the customers whose account balance is less than ₹ 1,000.

No. of Printed Pages : 1

BCSL-034(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2017

01362

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

Time : 1 Hour

Maximum Marks : 50

- Note :**
- (i) There are two **compulsory** questions in this paper.
 - (ii) Each question carries 20 marks.
 - (iii) Rest 10 marks are for viva-voce.

1. Create the following tables with the fields given below :

CUSTOMER (C_ID, Name, Address, City, Mobile_No)

ORDER (C_ID, P_ID, P_Name, P_COST)

Select appropriate primary keys. Select appropriate data types for all the fields.

Input at least 5 meaningful records in the tables.

20

2. For the tables designed in question no. 1 above, answer the following queries using SQL :

5×4=20

- (a) List the names and addresses of all the customers who have ordered products of cost more than ₹ 500.
- (b) List the names of all the products ordered whose cost is ₹ 1,000 or more.
- (c) List the product names which are ordered by customers of "City = Delhi".
- (d) Add column "Email_id" in the CUSTOMER table.
- (e) Drop column "Mobile_No" from the CUSTOMER table.

No. of Printed Pages : 1

BCSL-034(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

June, 2018

02480

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

Time : 1 Hour

Maximum Marks : 50

- Note :**
- (i) *There are two **compulsory** questions in this paper.*
 - (ii) *Each question carries 20 marks.*
 - (iii) *10 marks are for viva-voce.*

1. Create the following table with the fields given below :

PRODUCT (P_ID, Model, Price, Name, Date_of_Manufacture, Date_of_Expiry) 20

Use appropriate data types for all the fields. Select appropriate primary key.
Insert at least 10 meaningful records in the table.

2. For the table designed in question number 1 above, answer the following queries using SQL : 4×5=20
- (a) Display name and date_of_expiry of all the products whose price is more than ₹ 500.
 - (b) Display name, product_ID and price of all the products whose date_of_manufacture is after "01-01-2018".
 - (c) Display name and date_of_manufacture and date_of_expiry of all the products whose price is between ₹ 5,000 and ₹ 10,000.
 - (d) Display name, product_ID and model of all the products which are going to expire after two months from today.

No. of Printed Pages : 1

BCSL-034(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

01862

Term-End Practical Examination**June, 2018****BCSL-034(P)/S2 : DATABASE MANAGEMENT SYSTEMS LAB***Time : 1 Hour**Maximum Marks : 50*

- Note :**
- (i) *There are two **compulsory** questions in this paper.*
 - (ii) *Each question is of 20 marks. .*
 - (iii) *10 marks are for viva-voce.*

1. Create the following table with the fields given below :

ACCOUNT (AC_NO, Name, AC_Type, City, Bank_Name, Branch_ID, Current_Balance)

Select appropriate primary key, and insert at least 10 meaningful records in the table. Use appropriate data types for all the fields.

20

2. For the table designed in question number 1 above, answer the following queries using SQL :

4×5=20

- (a) List Name, Account Number (AC_NO) and Bank_Name of the account of "Saving Account" type.
- (b) List Account Number (AC_NO), Bank_Name and Branch_ID of all the Current Accounts having a balance of more than ₹ 10,00,000.
- (c) Add a column "Address" to keep address of account holders in the table.
- (d) List the names of all the Saving Account holders whose accounts have less than ₹ 1,000 in the account.

No. of Printed Pages : 1

BCSL-034(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

00769

Term-End Practical Examination

June, 2018

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

Time : 1 Hour

Maximum Marks : 50

- Note :**
- (i) There are two **compulsory** questions in this paper.
 - (ii) Each question is of 20 marks.
 - (iii) 10 marks are for viva-voce.

1. Create the following tables with the fields given below :

BOOK (Title, ISBN, Publisher_ID, Year_of_Publication, Price)

PUBLISHER (Publisher_ID, Name, City)

Use appropriate data types for all the fields. Select appropriate primary keys.

Insert at least 10 meaningful records in the tables.

20

2. For the tables designed in question number 1 above, answer the following queries using SQL :

4×5=20

- (a) List title and price of all the books which are of price more than ₹ 1,000.
- (b) Find the name of publisher and books published by him/her whose publisher ID = "AD236".
- (c) List all the publishers' names and Publisher_ID who are in city "Delhi".
- (d) List title and price of all the books whose price is between ₹ 500 – ₹ 1,000.

No. of Printed Pages : 1

BCSL-034(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

June, 2018

00892

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

Time : 1 Hour

Maximum Marks : 50

- Note :**
- (i) *There are two **compulsory** questions in this paper.*
 - (ii) *Each question carries 20 marks.*
 - (iii) *10 marks are for viva-voce.*

1. Create the following table with the fields given below :

STUDENT (Roll_No., Name, City, Programme, Sex, Year_of_Registration).

Use appropriate data types for all the fields. Select appropriate primary key.
Insert at least 10 meaningful records in the table.

20

2. For the table designed in question number 1 above, answer the following queries using SQL.

4×5=20

- (a) List names and roll numbers of all the girl students of city "Delhi" who are registered in year 2017.
- (b) List name, roll number and year_of_registration of all the students of "MCA" programme.
- (c) List name of all the male students of "BCA" programme of city "MUMBAI".
- (d) Find the total number of "BCA" students who belong to city "PATNA".

81253

No. of Printed Pages : 2

BCSL-034/S1

**Bachelor of Computer
Application (Revised) (BCA)
Term-End Examination**

December, 2018

**DATABASE MANAGEMENT
SYSTEMS LAB**

www.ignouassignmentguru.com

Time : 1 Hour

Maximum Marks : 50

Note : (i) There are *two* compulsory questions in this paper.

(ii) Each question carries 20 marks.

(iii) Rest 10 marks are for viva-voce.

[2]

1. Create the following tables with the fields given below : 20

TEACHER (T_ID, Department, Year of_Exp, Name)

SUBJECT_PAPER (Sub_Paper_ID, T_ID, Title_of_Paper, Programme, Semester)

Select appropriate primary keys. Input at least 5 meaningful records in the tables. Select appropriate data types for all the fields.

2. For the tables designed in Question No. 1 above, answer the following queries using SQL : 4 each

- (a) Display Name and Year-Of-Exp of all the teachers of "Computer Science" department.
- (b) Display name of teacher and department of all the teachers who have more than 5 years of experience.
- (c) List the file of Subject_Paper which are handled by T_ID = 1010.
- (d) List the name of Programme and Semester of paper titled "C Programming".
- (e) List name of all the teachers of "Physics" department.

83063

No. of Printed Pages : 2

BCSL-034/S2

**Bachelor of Computer
Application (Revised) (BCA)
Term-End Examination
December, 2018**

**DATABASE MANAGEMENT
SYSTEMS LAB**

www.ignouassignmentguru.com

Time : 1 Hour

Maximum Marks : 50

Note : (i) There are *two* compulsory questions in this paper.

(ii) Each question carries 20 marks.

(iii) Rest 10 marks are for viva-voce.

[2]

1. Create the following tables with the fields given below : 20
- STUDENT (Student_ID, Name, Programme, Teacher_ID)
- TEACHER (Teacher_ID, Department, Name, City, Specialization)
- Select appropriate primary keys. Input at least 5 meaningful records in the tables. Select appropriate data types for all the fields.
2. For the tables designed in Question No. 1 above, answer the following queries using SQL : 4 each
- (a) Display name and specialization of all the teachers in city "Delhi".
 - (b) Display name, Student_ID and Programme in which they are registered, of all the students.
 - (c) Display name of teacher of Teacher_ID = 123 and name of all the students who are associated with Teacher_ID = 123.
 - (d) Display name, specialization and city of all the teachers who are associated with "Physics" department.
 - (e) Display total number of students registered in "MCA" programme.

86553

No. of Printed Pages : 2

BCSL-034/S3

**Bachelor of Computer
Application (Revised) (BCA)
Term-End Examination
December, 2018**

**DATABASE MANAGEMENT
SYSTEMS LAB**

www.ignouassignmentguru.com

Time : 1 Hour

Maximum Marks : 50

Note : (i) There are *two* compulsory questions in this paper.

(ii) Each question carries 20 marks.

(iii) Rest 10 marks are for viva-voce.

[2]

1. Create the following tables with the fields given below : 20

PRODUCT (Product_ID, Supplier_ID, Product_Name, Category, Price, QuantityAvailable)

SUPPLIER (Supplier_ID, Name, Area, City)

Select appropriate primary keys. Input at least 5 meaningful records in the tables. Select appropriate data types for all the fields.

2. For the tables designed in question no. 1 above, answer the following queries using SQL : 4 each

- (a) List price and product name of all the products whose QuantityAvailable is more than 100.
- (b) Display product name and category of all the product whose price is more than ₹ 1,000/-.
- (c) Display product name and product_ID of the products which are supplied by Supplier_ID = 10111.
- (d) Display name and area of all the suppliers of city "Mumbai".
- (e) Display the number of products which are of price more than ₹ 1,500 and QuantityAvailable is more than 5.

89353

No. of Printed Pages : 2

BCSL-034/S4

**Bachelor of Computer
Application (Revised) (BCA)
Term-End Examination
December, 2018
DATABASE MANAGEMENT
SYSTEMS LAB**

Time : 1 Hour

Maximum Marks : 50

-
- Note :** (i) There are *two* compulsory questions in this paper.
(ii) Each question carries 20 marks.
(iii) Rest 10 marks are for viva-voce.
-

[2]

1. Create the following tables with the fields given below : 20

EMPLOYEE (E_ID, Name, Age, Address, Salary, Dep_ID)

DEPARTMENT (Dep_ID, Name, City)

Select appropriate primary keys. Input at least 5 meaningful records in the tables. Select appropriate data types for all the fields.

2. For the tables designed in question no. 1 above, answer the following queries using SQL : 4 each

- (a) Display name and Dep_ID of all the departments in city "Delhi".
- (b) Display name and age of the employees working in Dep_ID = 1001 and their salary is more than ₹ 10,000/- p.m.
- (c) Find total number of employees whose salary is less than ₹ 50,000/- p.m.
- (d) Display name and salary of all the employees whose age is more than 50 years.
- (e) Display name and E_ID of all the employees who work in Dep_ID = 11011.