Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript program to calculate the volume of a sphere.   **[15]**

> Input radius value and get the volume of a sphere.
>
> Radius
> [   ]
> Volume
> [0.0000   ]
> [Calculate]

Q2. Create HTML page to Divide the frames in to different sections as shown below and add
    appropriate HTML files to each frame.   **[25]**

First Frame : Your Name and address		
Second Frame : Bulleted list of favourite colours		**Third Frame :** Numbered List of Cities
Fourth Frame: Scrolling Message	**Fifth Frame:** Blinking Reminders	**Sixth Frame:** Name of Countries

Q3. Consider the following entities and their relationships.   **[40]**

Client (client_no, client_name, address, birthdate)

Policy_info (policy_no, desc, maturity_amt, prem_amt, date)

Relation between Client and Policy_info is Many to Many
Constraint: Primary key, prem_amt and maturity_amt should be > 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
1) Write a function which will return total maturity amount of policies of a particular client.

2) Write a cursor which will display policy date wise client details.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: (CA-206) Computer Lab Based on
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script program to accept a number form user and display its multiplication table

[15]

Q.2 Write the HTML code to create the following table. Use internal CSS to format the table

[25]

Book_No	Book_Name	Price	
		RS	Paise
101	DBMS	200	50
102	C-Prog	150	75
103	JAVA	300	00
104	PHP	250	50
105	ASP	100	00

Q3. **Consider the following Item_Supplier database**   **[40]**

   Item (itemno, itemname)
   Supplier (supplier_No , supplier_name, address, city)

   Relationship between Item and Supplier is many-to-many with descriptive attribute rate and quantity

   Constraints: itemno ,supplier_No primary key

   Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

   1) Write function to print the total number of suppliers of a particular item

   2) Write a trigger which will fire before insert or update on rate and quantity less than or equal to zero. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: (CA-206) Computer Lab Based on
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script program to accept a number form user and calculate and display its sum
    of digits   **[15]**

Q2. Write HTML code to design a web as per given specification. Divide the browser screen into
    two frames. The first frame will display the heading. Divide the second frame into two
    columns. The frame on the left should be name of cities consisting of hyperlinks. Clicking
    on any one of these hyperlinks will display related information in right hand side frame as
    shown below   **[25]**

IT Industries in INDIA	
City 1. Pune 2. Mumbai	**Pune** • Infosys • Persistent

Q3. **Consider the following entities and their relationship.**   **[40]**

   Newspaper (name, language , publisher , cost)
   Cities (pincode , city, state)

   **Relationship between   Newspaper and Cities is many-to-many with descriptive
   attribute daily required**

   Constraints: name and pincode primary key

   Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

   1) Write a trigger which will fire before insert on the cities table which check that the
       pincode must be of 6 digit. (Raise user defined exception and give appropriate message).

   2) Write a procedure to calculate city wise total cost of each newspaper

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script program to accept a number from user and check whether it is Armstrong
    number or not   **[15]**

Q2. Create HTML web page with following specifications   **[25]**
        i)   Title should be about your College.
        ii)   Put image in the background
        iii)   Place your college name at the top of page in large text followed by address in
                smaller size.
        iv)   Add names of courses offered, each in different color, style and font
        v)   Add scrolling text about college.
        vi)   Add any image at the bottom.
      (use External CSS to format the webpage)

Q3 Consider the following entities and their relationships.   **[40]**

        Client (client_no, client_name, address, birthdate)
        Policy_info (policy_no, desc, maturity_amt, prem_amt, date)

Relation between Client and Policy_info is Many to Many
Constraint: Primary key, prem_amt and maturity_amt should be > 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
1) Write a procedure which will display all policy details having premium amount less than
   5000.

2) Write a trigger which will fire before insert or update on policy_info having maturity
   amount less than premium amount. (Raise user defined exception and give appropriate
   message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours]   [Marks: - 100

Q.1 Write a java script program to accept a number from user and check whether it is perfect number or not.   **[15]**

Q2. Write HTML code to design a website for Online Shopping. Design home page which consist of list of items each with hyperlink, clicking on which should display related information on separate web page. (Use external CSS to format each web page)   **[25]**

Q3 Consider the following entities and their relationships.   **[40]**

Library(<u>Lno</u>, Lname, Location, Librarian, no_of_books)

Book(<u>Bid</u>, Bname, Author_Name, Price, publication)

Relation between Library and Book is one to many.

Constraint: Primary key, Price should not be null.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a function which will accept publication name from user and display total price of books of that publication.

2) Write a cursor which will display library wise book details.(Use Parameterized Cursor)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours]   [Marks: - 100

Q1. Write java script program to accept a number from user and check whether it is prime
    number or not   **[15]**

Q2. Write a HTML code to display calendar of current month in tabular format. Use proper color
    for week days and holidays. Display month name, year and images as advertisement at the
    beginning of the calendar.   **[25]**

Q3 Consider the following entities and their relationships.   **[40]**

    Employee (emp_id, emp_name, address)

    Investment (inv_no, inv_name, inv_date, inv_amount)

   Relation between Employee and Investment is One to Many.
   Constraint: Primary key, inv_amount should be > 0.

   Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
   1) Write a procedure which will display details of employees invested amount in "Mutual
      Fund"

   2) Write a cursor which will display date wise investment details.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script program to accept a string from user and display the count of vowel
    characters from that string.   **[15]**

Q2. Write a HTML code to display Theory Time Table of FYBBA(CA). Use internal CSS to
    format the table   **[25]**

Q3 Consider the following entities and their relationships.   **[40]**

        Bill (billno, day, tableno, total)

        Menu (dish_no, dish_desc, price)

The relationship between Bill and Menu is Many to Many with quantity as descriptive attribute.

Constraint: Primary key, price should be > 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a procedure to display menu details having price between 200 to 500 which were order on 'Saturday' .

2) Write a trigger which will fire before insert or update on Menu having price less than or equal to zero. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

7

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script program to accept a string and character from user and check the count of occurrences of that character in string.   **[15]**

Q2. Create HTML page with following specifications   **[25]**
    i) Title should be about your self.
    ii) color the background should be pink.
    iii) Place your name at the top of page in large text and centered.
    iv) Add names of your family members each in different size, color, style
       and font.
    v) Add scrolling text about your family.
    vi) Add any image at the bottom. (Use internal CSS to format the web page)

Q3 Consider the following entities and their relationships.   **[40]**

Plan (plan_no, plan_name, nooffreecalls, freecalltime, fix_amt)
Customer (cust_no, cust_name, mobile_no)

  Relation between Plan and Customer is One to Many.
  Constraint: Primary key, fix_amt should be greater than 0.
Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
1) Write a function which will accept plan number from user and display all the details of the selected plan

2) Write a cursor which will display customer wise plan details.(Use Parameterized Cursor)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script program to accept a string and check whether the input string is palindrome string or not   **[15]**

Q2. Write the HTML code which generates the following output.(use internal CSS to format the table   **[25]**

Country	Population (in Crores)	
INDIA	1998	85
	1999	90
	2000	100
USA	1998	30
	1999	35
	2000	40
UK	1998	25
	1999	30
	2000	35

Q3 Consider the following entities and their relationships.   **[40]**

Project (pno, pname, start_date, budget, status)

Department (dno, dname, HOD, loc)

The relationship between Project and Department is Many to One.

Constraint: Primary key.

Project Status Constraints: C – Completed,

P - Progressive,

I – Incomplete

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a function which accept department name and display total number of projects whose status is "p"(progressive).

2) Write a cursor which will display status wise project details of each department.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript Program to read a number from user, store its factors into the array and display that array. (Handle onClick Event)   **[15]**

Q2. Write HTML code which generates the following output and display each element of list in different size, color & font. Use inline CSS to format the list.   **[25]**

1. DYP
   - Courses
     - BCS
     - BCA
2. Indira
   - Courses
     - BCA
     - MCs
3. ATSS
   - Courses
     - BBA
     - BCS

Q3 Consider the following entities and their relationships.   **[40]**

Gym (Name, city, charges, scheme)

Member (ID, Name, phoneNo, address)

Relation between Gym and member is one to many.

Constraint: Primary Key, charges must be greater than 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a function which will accept member id and scheme from user and display charges paid by that member.

2) Write a trigger which will fire before insert or update on Gym having charges less than 1000. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript program to accept a string and a position (number) from user and display the character at specified position.   **[15]**

Q2. Write HTML code which generates the following output and display each element of list in different size, color & font. Use external CSS to format the list   **[25]**

- Non flowering plants
  - Fern
  - Spore
- Flowering plants
  - Lilly
  - Rose
    1. Red Rose
    2. Pink Rose

Q3 Consider the following entities and their relationships.   **[40]**

Student (rollno, sname, class, timetable)
Lab (LabNo, LabName, capacity, equipment)

Relation between Student and Lab is Many to One.

Constraint: Primary Key, capacity should not be null.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
1) Write a function which will accept Lab number from user and display total number of student allocated in that lab.

2) Write a cursor which will display lab wise student details.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Design a student registration form with fields Name, Address, city and Pin-Code. Write a java script program to perform following validation

    i.   Check name should not be empty and contain alphabets only

    ii.   Pin-code must be 6 digits only   **[15]**

Q2. Create HTML page with following specifications   **[25]**

    i) Title should be about your College.

    ii) Put image in the background

    iii) Place your college name at the top of page in large text

        followed by address in smaller size.

    iv) Add names of courses offered, each in different color, style and font

    v) Add scrolling text about college.

    vi) Add any image at the bottom.

    (Use Internal CSS to format the web page)

Q3 Consider the following entities and their relationships.   **[40]**

        Wholesaler (w_no, w_name, address, city)

        Product (product_no, product_name, rate)

Relation between Wholesaler and Product is Many to Many with quantity as descriptive attribute.

Constraint: Primary key, rate should be > 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a function which will accept wholesaler name from user and will display total number of items supplied by him.

2) Write a trigger which will fire before insert or update on product having rate less than or equal to zero (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Design a login form with fields User Name, Password and Login button. Write a java script code to accept username and password, validate login details and display a message accordingly.   **[15]**

Q2. Write a HTML code which will divide web page in three frames. First frame should consists of name of college as heading. Second frame should consists of name of courses with hyperlink. Once click on any course it should display subject of that course in third frame.
[25]

Q3 Consider the following entities and their relationships.   **[40]**

Country (CId, CName , no_of_states, area, location, population)

Citizen(Id, Name, mother_toung, state_name)

Relation between Country and Citizen is one to many.

Constraint: Primary key, area should not be null.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a function which will display name of the country having minimum population.

2) Write a cursor which will display county wise citizen details.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a HTML code to display the name of your family members each in different color, size and style. Also display the following polynomial expression   **[15]**

$$a_0 + a_1 x^1 + a_2 x^2 + a_3 x^3 + a_4 x^4$$

Q2. Write a JavaScript Program to accept user name and password from user, if User name and Password is same then display his score card on the next page as shown below.   **[25]**

User Login

User Name: [   ]

Password . [   ]

[Login]

Sr.No	subject	External Exam(Out of 80)	Internal(out of 20)	Total Marks(out of 100)	Result
501	core Java	56	15	71	pass
502	Web Technology	67	18	85	pass
503	.NET	70	19	89	pass
504	Object Oriented Software Engineering	52	15	67	pass
505	project	-	-	79	pass
506	Practical	-	-	83	pass

Q3 Consider the following entities and their relationships.   **[40]**

College (code, college_name, address)

Teacher (teacher_id, teacher_name, Qualification, specialization, salary, Desg)

Relation between Teacher and College is Many to One.

Constraint: Primary Key, qualification should not be null.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a procedure which will accept teacher name from user and display his/her college details.

2) Write a trigger which will fire before insert or update on Teacher having salary less than or equal to zero (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript program to Display current Day, Date, Month, Year and Time on the web
page and greet the user accordingly.   **[15]**

Q2. Create HTML page with following specifications   **[25]**
      i) Title should be about your City.
      ii) Color the background by Pink color.
      iii) Place your city name at the top of page in large text and in blue color.
      iv) Add names of the landmarks in your city, each in different color, style and font
      v) Add scrolling text about your City.
      vi) Add any image at the bottom.
      (Use inline CSS to format the web page)

Q3 Consider the following entities and their relationships.   **[40]**

      Driver (driver_id, driver_name, address)
      Car (license_no, model, year)

   Relation between Driver and Car is Many to Many with date and time
   as descriptive attribute.

   Constraint: Primary key, driver_name should not be null.
   Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
  1) Write a function which will display the total number of person who are using "Swift" car

  2) Write a trigger which will fire before insert or update on year. If year value is more than
     current year. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours]   [Marks: - 100

Q.1 Write a java script code to accept a sentence from the user and alters it as follows: Every space is replaced by * and digits are replaced by ?   **[15]**

Q2. Write HTML code which generates the following output and display each element of list in different size, color & font. Use inline CSS to format the list.   **[25]**

- Honda
  - Petrol
    1) Honda City
    2) Brio
  - Diesel
    1) Amaze
    2) Brio
- Maruti-Suzuki
  - Petrol
    1) Swift
    2) Ritz
  - Diesel
    1) Swift-Desire

Q3 Consider the following entities and their relationships.   **[40]**

Game (game_name, no_of_players, coach_name)

Player (pid, pname, address, club_name)

Relation between Game and Player is Many to Many.
Constraint: Primary key, no_of_players should be > 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
1) Write a procedure which will display games details having number of players more than 5.
2) Write a trigger which will fire before insert or update on Game having no_of_players less than or equal to zero. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script code to accept a string from user and display the occurrences of every vowel character from string   **[15]**

Q2. Design an HTML form for customer registration visiting a departmental store. Form should consists of fields such as name, contact no, gender, preferred days of purchasing, favorite item(to be selected from a list of items),suggestions etc.. You should provide button to submit as well as reset the form contents.   **[25]**

Q3. Consider the following Item_Supplier database   **[40]**
    Company (name , address , city , phone , share_value)
    Person (pname ,pcity)

    Relationship between Company and Person is M to M relationship with descriptive attribute No_of_shares i

    Constraints: name,pname primary key

    Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

    1) Write a trigger before insert or update on No_of_shares field should not be zero.(Raise user defined exception and give appropriate message)

    2) Write a function to display total no_of_shares of a specific person.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script program to accept the value of n and display all odd numbers up to n. **[15]**

Q2. Write the HTML code which generates the following output. (Use external CSS to format the given table)   **[25]**

Book_No	Book_Name	Price	
		RS	Paise
101	DBMS	200	50
102	C-Prog	150	75
103	JAVA	300	00
104	PHP	250	50
105	ASP	100	00

Q3. **Consider the following entities and their relationship.**   **[40]**

   Student (s_reg_no, s_name, s_class)
   Competition (comp_no, comp_name, comp_type)

   Relationship between Student and Competition is many-to-many with descriptive attribute rank and year.

   Constraints: primary key, foreign key, primary key for third table(s_reg_no, comp_no, year),s_name and comp_name should not be null,comp_type can be sports or academic.

   Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

   1) Write a function which will accept s_reg_no of student and returns total number of competition in which student has participated in a given year.

   2) Write a cursor which will display year wise details of competitions.
      (Use parameterized cursor)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script code to accept a number form user and display its factorial.   **[15]**

Q2. Design an HTML form to take the information of a customer for booking a travel plan consisting of fields such as name, address, contact no., gender, preferred season(Checkboxes), location type(to be selected from a list) etc. You should provide button to submit as well as reset the form contents. (All the fields should be properly aligned)   **[25]**

Q3 Consider the following entities and their relationships.   **[40]**

Game (game_name, no_of_players, coach_name)

Player (pid, pname, address, club_name)

Relation between Game and Player is Many to Many.
Constraint: Primary key, no_of_players should be > 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
1) Write a function which will return total number of football players of "Sports Club".

2) Write a cursor which will display club wise details of players.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script code to accept a number n from user and display first n terms of
   Fibonacci series   **[15]**

Q2. Create HTML page with following specifications
   i) Title should be about your Car.
   ii) Color the background by Pink color.   **[25]**
   iii) Place your car name at the top of page in large text and in green color.
   iv) Add names of features in your car, each in different color, style and font
   v) Add scrolling text about your Car.
   vi) Add any image at the bottom.
   (Use external CSS to format the web page)

Q3 Consider the following entities and their relationships.   **[40]**

   Driver (driver_id, driver_name, address)
   Car (license_no, model, year)

   Relation between Driver and Car is Many to Many with date and time
   as descriptive attribute.

   Constraint: Primary key, driver_name should not be null.
   Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
   1) Write a procedure to display car details used on specific day.

   2) Write a cursor which will display driver wise car details in the year 2018.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script code to accept the values of x and y and then display x^y **[15]**

Q2. Write HTML code which generates the following output and display each element of list in different size, color & font. Use internal CSS to format the list.
- o Coffee
- o Tea
    - ▪ Black Tea   **[25]**
    - ▪ Green Tea
        1) Africa
        2) China

Q3 Consider the following entities and their relationships.   **[40]**

College (code, college_name, address)

Teacher (teacher_id, teacher_name, Qualification, specialization, salary, Desg)

Relation between Teacher and College is Many to One.

Constraint: Primary Key, qualification should not be null.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a function which will accept college name from user and display total number of "Ph.D" qualified teachers.

2) Write a cursor which will display college wise teacher details.

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script code to accept a string and write a function to calculate length of string

[15]

Q2. Create HTML page to Divide the frames in to different sections as shown below and add appropriate HTML files to each frame.   **[25]**

First Frame : Your Name and address		
Second Frame : Bulleted list of favorite colors		**Third Frame :** Links to favorite sites
Fourth Frame: Scrolling Message	**Fifth Frame:** Blinking Reminders	**Sixth Frame:** Image

Q3 Consider the following entities and their relationships.   **[40]**

Country (CId, CName , no_of_states, area, location, population)

Citizen(Id, Name, mother_toung, state_name)

Relation between Country and Citizen is one to many.

Constraint: Primary key, area should not be null.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a procedure to display name of citizens having mother toung "Marathi " and   from "India";

2) Write a trigger which will fire before insert or update on country   having no_of_state less than equal to zero. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script code to accept a number and write a function to calculate sum of digits of that number **[15]**

Q2. Write HTML code to create following table. (use External CSS to format the table)   **[25]**

Course	Fee Structure			Year
	FY	SY	TY	
B.Sc.(CS)	20000	25000	30000	2017
BCA(Sci)	15000	20000	25000	2018
BBA(CA)	25000	30000	35000	2019

Q3 Consider the following entities and their relationships.   **[40]**

Wholesaler (w_no, w_name, address, city)

Product (product_no, product_name, rate)

Relation between Wholesaler and Product is Many to Many with quantity as descriptive attribute.

Constraint: Primary key, rate should be > 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a procedure which will display details of products supplied by "Mr. Patil"

2) Write a cursor which will display wholesaler wise product details.(Use Parameterized cursor)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a java script code to accept a number from user and write a function to calculate sum of all odd digits of that number.   **[15]**

Q2. Write html code to display following list. (use internal CSS to format the list)

  i. Arts   **[25]**
      - BA
      - MA
  ii. Commerce
      - Bcom
      - Mcom
  iii. Science
      - B.Sc.
      - M.Sc.

Q3 Consider the following entities and their relationships.   **[40]**

Student (rollno, sname, class, timetable)
Lab (LabNo, LabName, capacity, equipment)

Relation between Student and Lab is Many to One.

Constraint: Primary Key, capacity should not be null.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a procedure to display details of students which perform practical sessions in a given Lab.

2) Write a trigger which will fire before delete on Lab (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript function that reverse a input number   **[15]**

Q2. Create HTML page to Divide the frames in to different sections as shown below and add
appropriate HTML files to each frame.   **[25]**

First Frame : Your Name and address		
Fifth Frame: Blinking Reminders		**Third Frame :** Numbered List of Cities
Sixth Frame: Name of Countries	**Second Frame :** Bulleted list of favourite colours	**Fourth Frame:** Scrolling Message

Q3 Consider the following entities and their relationships.   **[40]**

Gym (Name, city, charges, scheme)

Member (ID, Name, phoneNo, address)

Relation between Gym and member is one to many.

Constraint: Primary Key, charges must be greater than 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a procedure to display member details of gym located at "Pimpri'"

2) Write a cursor which will display gym wise member details.(Use Parametrized Cursor)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript function that checks whether a input string is palindrome or not.   **[15]**

Q2. Write HTML and CSS code to design a web page. Divide the browser screen into two frames. The first frame will display the heading. The second frame contains a menu consisting of hyperlinks. Clicking on any one of these hyperlinks will display related information in a new page   **[25]**

Q3 Consider the following entities and their relationships.   **[40]**

Project (pno, pname, start_date, budget, status)

Department (dno, dname, HOD, loc)

The relationship between Project and Department is Many to One.

Constraint: Primary key.

Project Status Constraints: C – Completed,

P - Progressive,
I – Incomplete
Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a procedure to display the name of HOD who has completed maximum project.

2) Write a trigger which will fire before insert or update on project having budget less than or equal to zero. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript function to compute the sum of factors of a input number   **[15]**

Q2. Write a HTML code to display calendar of current month in tabular format. Use proper color for week days and holidays. Display month name, year and images as advertisement at the beginning of the calendar.   **[25]**

Q3 Consider the following entities and their relationships.   **[40]**

   Plan (plan_no, plan_name, nooffreecalls, freecalltime, fix_amt)
   Customer (cust_no, cust_name, mobile_no)

   Relation between Plan and Customer is One to Many.
   Constraint: Primary key, fix_amt should be greater than 0.
   Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

   1) Write a procedure to display the plan having minimum response.

   2) Write a trigger which will fire before insert or update on mobile number having length less than or greater than10. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

Time: - 3 Hours] [Marks: - 100

Q1. Write a JavaScript program to construct the following pattern up to n lines, using a nested for loop. **[15]**

```
*
*       *

*       *       *
```

Q2. Design a HTML form for Bus Ticket Reservation consisting of fields for Name, Address, contact no, source station(Dropdown list), Destination station, Date of booking, date of journey, no of passenger, name of passenger, gender of passenger etc. You should provide button to submit as well as reset the form contents. (Use proper alignment)

[25]

Q3 Consider the following entities and their relationships. **[40]**

Bill (billno, day, tableno, total)

Menu (dish_no, dish_desc, price)

The relationship between Bill and Menu is Many to Many with quantity as descriptive attribute.

Constraint: Primary key, price should be > 0.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:

1) Write a function which accept a table number and display total amount of bill for a specific table

2) Write a cursor which will display table wise menu details.

Q4. Viva / Oral **[10]**

Q5. Lab Book **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript function that accept three numbers and display the larger number **[15]**

Q2. Create HTML page with following specifications   **[25]**
      i) Title should be about your City.
      ii) Color the background by Pink color.
      iii) Place your city name at the top of page in large text and in blue color.
      iv) Add names of the landmarks in your city, each in different color, style and font
      v) Add scrolling text about your City.
      vi) Add any image at the bottom.

      (Use Internal CSS to format the web page)

Q3 Consider the following entities and their relationships.   **[40]**
        Employee (emp_id, emp_name, address)

        Investment (inv_no, inv_name, inv_date, inv_amount)

  Relation between Employee and Investment is One to Many.
  Constraint: Primary key, inv_amount should be > 0.

      Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
1) Write a function which will return total investment amount of a particular client.

2) Write a trigger which will fire before insert or update on Investment having investment amount less than 50000. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**

F.Y.B.B.A.(C.A.) Semester - II Practical Examination. March/April 2020
Lab Course: **(CA-206) Computer Lab Based on**
Web Technology and RDBMS

Time: - 3 Hours]   [Marks: - 100

Q1. Write a JavaScript program to construct the following pattern up to n lines, using a nested
for loop.   **[15]**

```
A
B    C

D    E    F
```

Q2. Write a HTML code to create the following table. Use External CSS to format the table.
                                                                       [25]

College/Courses	Arts		Commerce	
	UG	PG	UG	PG
D. Y. Patil, Pimpri	BA	MA	B.Com	M.Com
Indira College	BA	MA	BBA(CA)	MCA(Commerce)
Wadia College	BA	MA	B.Com	M.Com(Ecommerce)

Q3 Consider the following entities and their relationships.   **[40]**

Library(Lno, Lname, Location, Librarian, no_of_books)

Book(Bid, Bname, Author_Name, Price, publication)

Relation between Library and Book is one to many.

Constraint: Primary key, Price should not be null.

Create a RDB in 3NF and write PL/SQL blocks in Oracle for the following:
1) Write a procedure to display names of book written by "Mr. Patil" and are from "DPU Library".

2) Write a trigger which will fire before insert or update on book having price less than or equal to zero. (Raise user defined exception and give appropriate message)

Q4. Viva / Oral   **[10]**

Q5. Lab Book   **[10]**