Savitribai Phule Pune University
T.Y.B.B.A.(C.A.) Semester – VI (CBCS 2019 Pattern) University Practical Examination
Lab Course: (CA-606) Computer Laboratory Based on 603, 604
Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:

A) Write a java program to scroll the text from left to right and vice versa continuously.
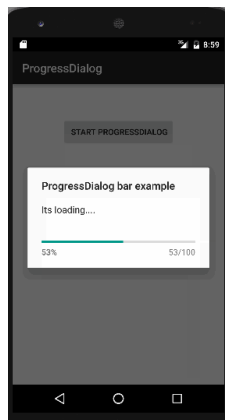
[15 M]

B) Write a socket program in java for chatting application.(Use Swing)

[25 M]

Q.2.   Android:

A) Create a Simple Application Which Send —Hello‖ message from one activity to another with help of Button (Use Intent).   [15 M]

B) Create an Android application to demonstrate Progress Dialog Box using AsyncTask.

[25 M]

OR

Q.2   Dot Net Framework:

A) Write a VB.Net Program to display the numbers continuously in TextBox by clicking on Button.   [15 M]

B) Write a VB.Net program to accept the details of Employee (ENO, EName Salary) and store it into the database and display it on gridview control.   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

T.Y.B.B.A.(C.A.) Semester – VI (CBCS 2019 Pattern) University Practical Examination
Lab Course: (CA-606) Computer Laboratory Based on 603, 604
Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:

A) Write a JSP program to check whether given number is Perfect or not. (Use Include directive).   [15 M]

B) Write a java program in multithreading using applet for drawing flag.

[25 M]

Q.2.   Android:

A) Create a Simple Application Which demonstrate Life Cycle of Activity. [15 M]

B) Create an Android Application that Demonstrate DatePicker and DatePickerDailog.

[25 M]

OR

Q.2   Dot Net Framework:

A) Write a Vb.Net program to move the Text "Pune University" continuously from Left

to Right and Vice Versa.   [15 M]

B) Write a C#.Net program to create a base class Department and derived classes Sales and

Human Resource. Accept the details of both departments and display them in proper

format.   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:

A) Write a socket program in Java to check whether given number is prime or not. Display result on client terminal.   [15 M]

B) Write a java program using applet for bouncing ball, for each bounce color of ball should change randomly.   [25 M]

Q.2.   Android:

A) Create a Simple Application, which read a positive number from the user and display its factorial value in another activity.   [15 M]

B) Create an Android application that plays an audio(song) in the background. Audio will not be stopped even if you switch to another activity. To stop the audio, you need to stop the service.   [25 M]

OR

Q.2   Dot Net Framework:

A) Write a program in C# .Net to create a function for the sum of two numbers.

[15 M]

B) Write a VB.NET program to create teacher table (Tid, TName, subject) Insert the records (Max: 5). Search record of a teacher whose name is "Seeta" and display result.

[25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   **Advanced Java:**

A) Write a Java Program to delete details of students whose initial character of their name is 'S'.   [15 M]

B) Write a SERVLET program that provides information about a HTTP request from a client, such as IP address and browser type. The servlet also provides information about the server on which the servlet is running, such as the operating system type, and the names of currently loaded servlets.   [25 M]

Q.2.   **Android**:

A) Create an Android App, it reads the Students Details (Name, Surname, Class, Gender, Hobbies, Marks) and Display the all information in another activity in table format on click of Submit button   [15 M]

B) Create an Android Application to display satellite view of current location using Google Map.   [25 M]

OR

Q.2   **Dot Net Framework:**

A) Design a VB.net form to pick a date from DateTimePicker Control and display day, month and year in separate text boxes.   [15 M]

B) Create a web application to insert 3 records inside the SQL database table having following fields (DeptId, DeptName, EmpName, Salary). Update the salary for any one employee and increment it to 15% of the present salary. Perform delete operation on one row of the database table.

                                                 [25 M]

Q.3   **Viva**   [10 M]

Q.4   **Lab Book**   [10 M]

Time: - 3 Hours]   **[Marks: - 100**
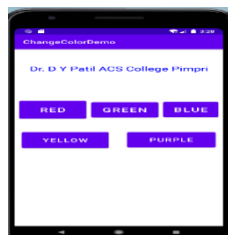
Q.1.   Advanced Java:
A) Write a JSP program to calculate sum of first and last digit of a given number. Display sum in Red Color with font size 18.   [15 M]

B) Write a java program in multithreading using applet for Traffic signal. [25 M]

Q.2.   Android:
A) Create an Android Application that will change color of the College Name on click of Push Button and change the font size, font style of text view using xml.

[15 M]

B) Create an Android Application to find the factorial of a number and Display the Result on Alert Box.   [25 M]

OR

Q.2   Dot Net Framework:
A) Write a VB.NET program to accept a character from keyboard and check whether it is vowel or consonant. Also display the case of that character.   [15 M]

B) Design a web application form in ASP.Net having loan amount, interest rate and duration fields. Calculate the simple interest and perform necessary validation i.e. Ensures data has been entered for each field. Checking for non-numeric value. Assume suitable web-form controls and perform necessary validation.   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

Time: - 3 Hours]   **[Marks: - 100**
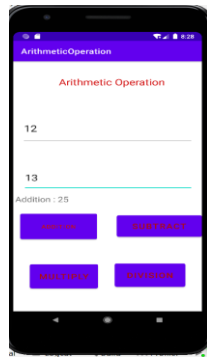
Q.1.   Advanced Java:

A) Write a java program to blink image on the Frame continuously.   [15 M]

B) Write a SERVLET program which counts how many times a user has visited a web page. If user is visiting the page for the first time, display a welcome message. If the user is revisiting the page, display the number of times visited. (Use Cookie)

[25 M]

Q.2.   Android:

A) Create a Simple Application that performs Arithmetic Operations. (Use constraint layout)   [15 M]

B) Create an Android Application that sends the Notification on click of the button and Display the notification message on second activity.   [25 M]

OR

Q.2   Dot Net Framework:

A) Write ASP.Net program that displays the names of some flowers in two columns. Bind a label to the RadioButtonList so that when the user selects an option from the list and clicks on a button, the label displays the flower selected by the user.

[15 M]

B) Write a VB.NET program to create movie table (Mv_Name, Release_year, Director). Insert the records (Max: 5). Delete the records of movies whose release year is 2022 and display appropriate message in message box.   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:

A) Write a JSP script to validate given E-Mail ID.   [15 M]

B) Write a Multithreading program in java to display the number's between 1 to 100 continuously in a TextField by clicking on button.   (use Runnable Interface).

[25 M]

Q.2.   Android:

A) Create an Android Application to accept two numbers and find power and Average. Display the result on the next activity on Button click.   [15 M]

B) Create Android Application for performing the following operation on the table Customer (id, name, address, phno). (use SQLite database)
    i) Insert New Customer Details.
    ii) Show All the Customer Details on Toast Message.

[25 M]

OR

Q.2   Dot Net Framework:

A) Write a ASP.Net program to accept a number from the user in a textbox control and throw an exception if the number is not a perfect number. Assume suitable controls on the web form.

B) Write a VB.NET program to create a table student (Roll No, SName, Class,City). Insert the records (Max: 5). Update city of students to 'Pune' whose city is 'Mumbai' and display updated records in GridView.

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   **[Marks: - 100**

Q.1.   **Advanced Java:**
     A) Write a Java Program to display all the employee names whose initial character of a name is 'A'.   **[15 M]**

     B) Write a java program in multithreading using applet for Digital watch.

                                                    [25 M]

Q.2.   **Android**:
     A) Create an Android application to demonstrate phone call using Implicit Intent.
                                                   [15 M]

     B) Develop an Android application that create custom Alert Dialog containing Friends Name and onClick of Friend Name Button greet accordingly.   **[25 M]**

OR

Q.2   **Dot Net Framework:**
     A) List of employees is available in listbox. Write ASP.Net application to add selected or all records from listbox to Textbox (assume multi-line property of textbox is true).   **[15 M]**

     B) Write a c#.Net program for multiplication of matrices.

                                                    [25 M]

Q.3   **Viva**   **[10 M]**

Q.4   **Lab Book**   **[10 M]**

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Time: - 3 Hours]   **[Marks: - 100**
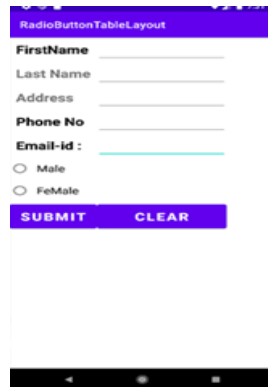
Q.1.   Advanced Java:

A) Write a Java Program to create a Emp (ENo, EName, Sal) table and insert record into it. (Use PreparedStatement Interface)   [15 M]

B) Write a JSP program to create an online shopping mall. User must be allowed to do purchase from two pages. Each page should have a page total. The third page should display a bill, which consists of a page total of whatever the purchase has been done and print the total.   (Use Session)

[25 M]

Q.2.   Android:

A) Design Following Screens using Table Layout. Display the entered text using Toast.

[15 M]

B) Create application to send SMS message to a friend. After sending message display delivery report of message.   [25 M]

OR

Q.2   Dot Net Framework:

A) Write a Menu driven program in C#.Net to perform following functionality: Addition, Multiplication, Subtraction, Division.   [15 M]

B) Create an application in ASP.Net that allows the user to enter a number in the textbox named "getnum". Check whether the number in the textbox "getnum" is palindrome or not. Print the message accordingly in the label control named lbldisplay when the user clicks on the button "check".   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:
  A) Write a java Program in Hibernate to display "Hello world" message.   [15 M]

  B) Write a SERVLET program to display the details of Product (ProdCode, PName, Price) on the browser in tabular format. (Use database)

                                                                                                      [25 M]

Q.2.   Android:
  A) Create an Android Application to perform Zoom In, Zoom Out operation and display Satellite view, on Google Map.   [15 M]

  B) Create Application to perform the following operations on table Game (gno, gname, type, no_of_players).
   i)   Update no_of_players to four where game is Badminton.

   ii)   Display all the records.   [25 M]

OR

Q.2   Dot Net Framework:
  A) Write a program that demonstrates the use of primitive data types in C#. The program should also support the type conversion of :

  ● Integer to String

  ● String to Integer   [15 M]

B) Write ASP.Net program to connect to the master database in SQL Server in the Page_Load event. When the connection is established, the message "Connection has been established" should be displayed in a label in the form .

                                                                                                      [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   [Marks: - 100

Q.1.   Advanced Java:
A) Write a java program to display IPAddress and name of client machine.[15 M]

B) Write a Java program to display sales details of Product (PID, PName, Qty, Rate, Amount) between two selected dates. (Assume Sales table is already created).
[25 M]
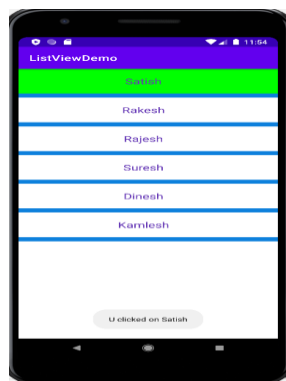
Q.2.   Android:
A) Create an Android Application that Demonstrate Radio Button   [15 M]

B) Create an Android Application that Demonstrate ListView and Onclick of List Display the Toast.   [25 M]

OR

Q.2   Dot Net Framework:
A) Write a ASP.Net program that gets user input such as the user name, mode of payment, appropriate credit card. After the user enters the appropriate values the Validation button validates the values entered.   [15 M]

B) Write C# program to make a class named Fruit with a data member to calculate the number of fruits in a basket. Create two other class named Apples and Mangoes to calculate the number of apples and mangoes in the basket. Display total number of fruits in the basket.   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   **[Marks: - 100**
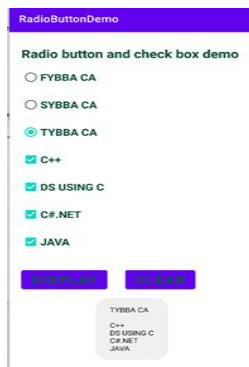
Q.1.   Advanced Java:

A) Write a java program to count the number of records in a table.   [15 M]

B) Write a program in java which will show lifecycle (creation, sleep, and dead) of a thread. Program should print randomly the name of thread and value of sleep time. The name of the thread should be hard coded through constructor. The sleep time of a thread will be a random integer in the range 0 to 4999.

[25 M]

Q.2.   Android:

A) Design Following Screens Using RadioButtons & CheckBoxes. Display the selected text using Toast.   [15 M]

B) Write a program to search a specific location on Google Map.   [25 M]

OR

Q.2   Dot Net Framework:

A) Write ASP.Net program that displays a button in green color and it should change into yellow when the mouse moves over it.   [15 M]

B) Write a VB.NET program to create player table (PID, PName, Game,

no_of_matches). Insert records and update number of matches of 'Rohit Sharma' and

display result in data grid view.

[25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:
A) Write a java program to display name of currently executing Thread in multithreading.   [15 M]

B) Write a JSP program to display the details of College (CollegeID, Coll_Name, Address) in tabular form on browser.   [25 M]

Q.2.   Android:
A) Create an Android App with Login Screen. On successful login, gives message go to next Activity (Without Using Database& use Table Layout).   [15 M]

B) Create Android application to perform following operations on table Student (Sid, Sname ,phno). Use auto increment for Sid and Perform following Operations.
  a)   Add Student and display its information.
  b)   Delete Student   [25 M]

OR

Q.2   Dot Net Framework:
A) Write a VB.net program for blinking an image.   [15 M]

B) Write a C# Program to accept and display 'n' student's details such as Roll. No, Name, marks in three subjects, using class. Display percentage of each student.
                                                                                        [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:

A) Write a JSP program to accept Name and Age of Voter and check whether he is eligible for voting or not.   [15 M]

B) Write a Java program to display given extension files from a specific directory on server machine.

[25 M]

Q.2.   Android:

A) Create Android application to send email with attachment.   [15 M]

B) Create an Android application to demonstrates how to use a service to download a file from the Internet on click of Download Button. Once done, the service notifies the activity via a broadcast receiver that the download is complete.   [25 M]

OR

Q.2   Dot Net Framework:

A) Write a program in C#.Net to find the sum of all elements of the array. [15 M]

B) Write a C#.Net Program to define a class Person having members –name, address. Create a subclass called employee with member staffed, salary. Create 'n' objects of the Employee class and display all the details of the Employee.   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

Time: - 3 Hours]   [Marks: - 100

Q.1.   Advanced Java:

A) Write a java program to display each alphabet after 2 seconds between 'a' to 'z'.

[15 M]

B) Write a Java program to accept the details of Student (RNo, SName, Per, Gender, Class) and store into the database. (Use appropriate Swing Components and PreparedStatement Interface).

[25 M]

Q.2.   Android:

A) Design following-add a border to an Android Layout   [15 M]

B) Create a Android Application to search a specific location on Google Map.

[25 M]

OR

Q.2   Dot Net Framework:

A) Write ASP.Net application to create a user control that contains a list of colors. Add a button to the Web Form which when clicked changes the color of the form to the color selected from the list.

[15 M]

B) Write a C#.Net Program to accept and display 'n' customer's details such as customer_no, Name, address ,itemno, quantity price . Display total price of all item.

[25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   [Marks: - 100

Q.1.   Advanced Java:

A) Write a JSP script to accept username and password from user, if they are same then display "Login Successfully" message in Login.html file, otherwise display "Login Failed" Message in Error.html file.   [15 M]

B) Write a Java program to accept the details of students (rno, sname, per) at least 5 Records, store it into database and display the details of student having highest percentage. (Use PreparedStatement Interface)   [25 M]

Q.2.   Android:

 A) Create following Vertical Scroll View Creation in Android.   [15 M]

B) Create an Android Application that Demonstrate TimePickerand display Selected Time on TextView.   [25 M]

OR

Q.2   Dot Net Framework:

A) Write ASP.Net program to create a user control that receives the user name and password from the user and validates them. If the user name is "DYP" and the password is "Pimpri", then the user is authorized, otherwise not.

[15 M]

B) Define a class supplier with fields – sid, name, address, pincode. Write a C#.Net Program to accept the details of 'n' suppliers and display it.   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   [Marks: - 100

Q.1.   Advanced Java:

A) Write a java program to accept a String from user and display each vowel from a String after 3 seconds.   [15 M]

B) Write a Java program to check whether given file is present on server or not, if it is there then display its contents on client's terminal otherwise display the message "File Not Found".

[25 M]

Q.2.   Android:

A) Create an Android Application to Construct image switcher using setFactory().

[15 M]

B) Create an Android Application that Demonstrate ContextMenu.   [25 M]

OR

Q.2   Dot Net Framework:

A)   Write a C#.Net application to display the vowels from a given String. [15 M]

B)   Write a VB.NET program to accept the details of product (PID, PName, expiry_date, price). Store it into the database and display it on data grid view.

[25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Time: - 3 Hours]   **[Marks: - 100**

Q.1.   **Advanced Java:**

A) Write a java program to calculate factorial of a number. (Use sleep () method).

                                                       [15 M]

B) Write a java program for simple standalone chatting application.   [25 M]

Q.2.   **Android**:

A) Write an Android application to accept two numbers from the user, and displays them, but reject input if both numbers are greater than 10 and asks for two new numbers.   [15 M]

B) Write a program to find the specific location of an Android device and display details of the place like Address line, city with Geocoding.   [25 M]

OR

Q.2   **Dot Net Framework:**

A) Write a VB.NET program to accept a number from user through input box and display its multiplication table into the list box.   [15 M]

B) Write ASP.Net program containing the following controls:
• ListBox
• Button
• Image
• Label

      The listbox is used to list items available in a store. When the user clicks on an item in the listbox, its image is displayed in the image control. When the user clicks the button, the cost of the selected item is displayed in the control.

                                             [25 M]

Q.3   **Viva**   [10 M]

Q.4   **Lab Book**   [10 M]

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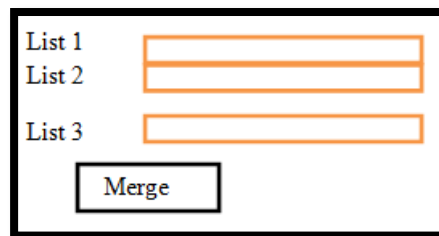**Q.1.**   **Advanced Java:**

A) Write a JSP program which accept UserName in a TextBox and greets the user according to the time on server machine.   [15 M]

B) Write a Java program to display first record from student table (rno, sname, per) onto the TextFields by clicking on button. (Assume Student table is already created).
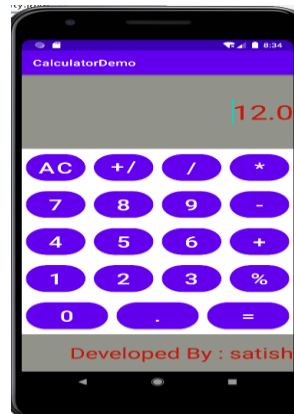
                     [25 M]

Q.2.   **Android**:

A) Write an Android code to merge given two Array/List   [15 M]

B) Create a Simple calculator. (Use Linear Layout)   [25 M]

OR

Q.2   **Dot Net Framework:**

A) Write a VB.NET program to check whether enter string is palindrome or not.
                     [15 M]

B) "How is the book ASP.NET with C# by Wrox publication?"
Give the user three choices :
     i)Good ii)Satisfactory iii)Bad.
Provide a VOTE button. After user votes, present the result in percentage using labels next to the choices.   [25 M]

Q.3   **Viva**   [10 M]

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Time: - 3 Hours]   **[Marks: - 100**

Q.4   **Lab Book**   **[10 M]**

Q.1.   **Advanced Java:**
      A) Write a JDBC program to delete the details of given employee (ENo EName Salary). Accept employee ID through command line.   [15 M]

      B) Write a java program in multithreading using applet for drawing temple.
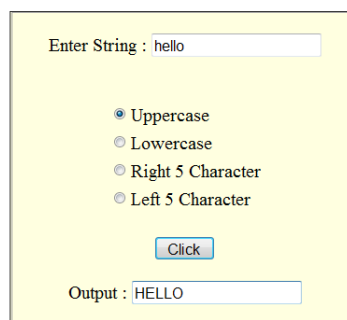
                                                               [25 M]

Q.2.   **Android**:
      A) Write an Android Application to Change the Image Displayed on the Screen
                                                      [15 M]

      B) Create an Android Application to perform following string operation according to user selection of radio button.   [25 M]

OR

Q.2   **Dot Net Framework:**
      A) Write a VB.NET program to generate Sample Tree View control.   [15 M]

      B) Write a Web application in ASP.Net that generates the "IndexOutOfRange" exception when a button is clicked. Instead of displaying the above exception, it redirects the user to a custom error page. All the above should be done with the trace for the page being enabled.   [25 M]

Q.3   **Viva**   **[10 M]**

Time: - 3 Hours]   **[Marks: - 100**

Q.4   **Lab Book**   [10 M]

Q.1.   **Advanced Java:**

A) Write a java program to display name and priority of a Thread.   [15 M]

B) Write a SERVLET program in java to accept details of student (SeatNo, Stud_Name, Class, Total_Marks). Calculate percentage and grade obtained and display details on page.

                                                         [25 M]

Q.2.   **Android**:

A) Write an Android Program to Demonstrate Date Picker Dialog in Android

                                                      [15 M]

B) Create table Game(no,name,type, no_of_players). Create Application to perform the following operations.

       i) Update no_of_players to four where game is Badminton.   [25 M]

       ii) Display all the records.

OR

Q.2   **Dot Net Framework:**

A) Write a VB.NET program to accept sentences in text box and count the number of words and display the count in message box.   [15 M]

B) Write ASP.Net application for the following:

     1. Create a table EMP(eno, ename, edesignation, salary, joindate)

     2. Insert a Record.

     3. Update a record

                                               [25 M]

Q.3   **Viva**   [10 M]

Q.4   **Lab Book**   [10 M]

Time: - 3 Hours]   [Marks: - 100

Q.1.   Advanced Java:

A) Write a java program to display Date and Time of Server machine on client machine.
[15 M]

B) Write a JSP program to accept the details of Account (ANo, Type, Bal) and store it into database and display it in tabular form.
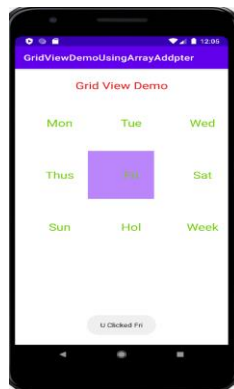
[25 M]

Q.2.   Android:

A) Create a Simple Application Which Shows Greeting information to User.
[15 M]

B) Create an Android Application that Demonstrate GridView and Onclick of Item Display the Toast.   [25 M]

OR

Q.2   Dot Net Framework:

A) Write a program in C# to create a function to swap the values of two integers.
[15 M]

B) Write a Vb.net program to design the following form; it contains the three menus Color (Red, Blue, and Green), Window (Maximize, Minimize, and Restore) and Exit. On Selection of any menu or submenu result should affect the form control(for example if user selected Red color from Color menu back color of form should get changed to Red and if user selected Maximize from Window Menu then form should get maximized).   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

T.Y.B.B.A.(C.A.) Semester – VI (CBCS 2019 Pattern) University Practical Examination
Lab Course: (CA-606) Computer Laboratory Based on 603, 604
Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   [Marks: - 100

Q.1.   Advanced Java:

A) Write a Java Program to display the details of College(CID, CName, address, Year) on JTable.   [15 M]

B) Write a SERVLET application to accept username and password, search them into database, if found then display appropriate message on the browser otherwise display error message.   [25 M]

Q.2.   Android:

A)Write an Android Program to Demonstrate Date Picker Dialog in Android on click of Edit Text   [15 M]

B) Create an Android Application that Demonstrate Custom ListView which shows the BookName and Author Name   [25 M]

OR

Q.2   Dot Net Framework:

A) Write a program in C# to create a function to display the n terms of Fibonacci sequence.   [15 M]

B) Create the application in ASP.Net that accepts name, password ,age , email id, and user id. All the information entry is compulsory. Password should be reconfirmed. Age should be within 21 to 30. Email id should be valid. User id should have at least a capital letter and digit as well as length should be between 7 and 20 characters.

[25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

T.Y.B.B.A.(C.A.) Semester – VI (CBCS 2019 Pattern) University Practical Examination
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Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:

A) Create a JSP page to accept a number from a user and display it in words:
Example: 123 – One Two Three. The output should be in red color.

[15 M]

B) Write a menu driven program in Java for the following: Assume Emp table with
attributes (ENo, EName, salary, Desg) is already created.

1. Insert
2. Update
3. Delete
4. Search
5. Display
6. Exit.

[25 M]

Q.2.   Android:

A) Create an Android Application that Demonstrate Switch and Toggle Button.

[15 M]

B) Create table Company (id, name, address, phno). Create Application for

Performing the following operation on the table.   [25 M]

a. Insert New Company Details.
b. Show All the Company Details.

OR

Q.2   Dot Net Framework:

A) Write a program in C#.Net to create a function to check whether a number is prime or
not.   [15 M]

B) Write a VB.NET program to create Author table (aid, aname, book_ name). Insert the
records (Max 5). Delete a record of author who has written "VB.NET book" and
display remaining records on the data grid view. (Use MS Access to create db.)

[25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

T.Y.B.B.A.(C.A.) Semester – VI (CBCS 2019 Pattern) University Practical Examination
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Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   [Marks: - 100

Q.1.   Advanced Java:

A) Write a Java program to accept a number through client terminal, send it to the Server, Server calculates its factors and sends it to the client.

[15 M]

B) Write a Java Program for the following: Assume database is already created.

```
+--------------------------------------------------+
|                                                  |
|   Type Your DDL Query    [                    ]  |
|   Here                                            |
|                                                  |
|   +--------------+  +--------------+  +-------------+  |
|   | Create Table |  | Alter Table  |  | Drop Table  |  |
|   +--------------+  +--------------+  +-------------+  |
|                                                  |
+--------------------------------------------------+
```
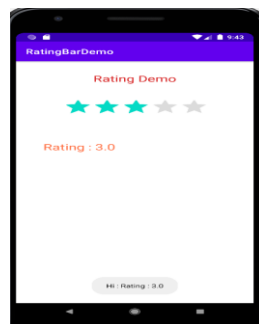
[25 M]

Q.2.   Android:

A) Create an Android Application that Demonstrate RatingBar and Display the number of stars selected on Toast and TextView.   [15 M]

B) Create Table Employee(Eno, Ename, Designation,Salary). Create Android Application for performing the following operation on the table. (Using SQLite Database)

    i)   Insert New Employee Details.
    ii)   Display all the Employee details   [25 M]

OR

Q.2   Dot Net Framework:

A) Write a program in C#.Net to create a function to calculate the sum of the individual digits of a given number.   [15 M]

B) Create a Web Application in ASP.Net to display all the Empname and Deptid of the employee from the database using SQL source control and bind it to GridView. Database fields are(DeptId, DeptName, EmpName, Salary).   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

Savitribai Phule Pune University
T.Y.B.B.A.(C.A.) Semester – VI (CBCS 2019 Pattern) University Practical Examination
Lab Course: (CA-606) Computer Laboratory Based on 603, 604
Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   **Advanced Java:**

A) Write a java program to display list of college names from college table. (Assume College table (CID, CName, addr) is already created.

[15 M]

B) Write a SERVLET program to Design an HTML page containing 4 option buttons (Painting, Drawing, Singing and swimming) and 2 buttons reset and submit. When the user clicks submit, the server responds by adding cookie containing the selected hobby and sends the HTML page to the client. Program should not allow duplicate cookies to be written.

[25 M]

Q.2.   **Android**:

A) Create an Android Application to accept a number and display the multiplication table. (Use table Layout)   [15 M]

B) Create the following layout using spinner   [25 M]

OR

Q.2   **Dot Net Framework:**

A). Write a program in C#.Net to create a recursive function to find the factorial of a given number   [15 M]

B) Write a ASP.Net program to create a Login Module which adds Username and Password in the database. Username in the database should be a primary key.

[25 M]

Q.3   **Viva**   [10 M]

Q.4   **Lab Book**   [10 M]

T.Y.B.B.A.(C.A.) Semester – VI (CBCS 2019 Pattern) University Practical Examination
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Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   **Advanced Java:**

A) Write a JSP script to accept the details of Teacher (TID, TName, Desg, Subject , Qualification) and display it on the browser. Use appropriate controls for accepting data.   **[15 M]**

B) Write a Java Program for the implementation of scrollable ResultSet. Assume Teacher table with attributes (TID, TName, Salary, Subject) is already created.

                                                       [25 M]

Q.2.   **Android**:

A)Write an Android program to perform Zoom In, Zoom Out operation and display Hybrid view, on Google Map.   **[15 M]**

B) Construct an Android Application to accept a number and calculate Factorial and Sum of Digits of a given number using Context Menu.   **[25 M]**

OR

Q.2   **Dot Net Framework:**

A) Write a program in C#.Net to find the length of a string.   **[15 M]**

B) Create a web application in ASP.Net which may have a textbox. Now user must type some data into it, the data he can enter is only 255 characters. After he crosses the limit then the last word should not by typed and at the same time color of textbox should be red.

                                                       [25 M]

Q.3   **Viva**   **[10 M]**

Q.4   **Lab Book**   **[10 M]**

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:
    A) Write a java program for the implementation of synchronization.   [15 M]

    B) Write a Java program to design a following screen:

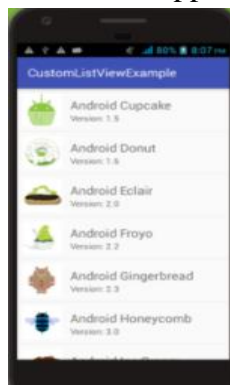Select Emp No [△]

ENo	EName	Salary

    If user selects EmpNo from Choice component then details of selected employee must be displayed in JTable.   [25 M]

Q.2.   Android:
    A) Create a Android Application Which reads the person, greet message from one activity and display the Greet message on another activity on click of Button (Use Intent).   [15 M]

    B) Create a Custom ListView in Android Application   [25 M]

OR

Q.2   Dot Net Framework:
    A) Write a program in C#.Net to read n numbers in an array and display it in reverse order.   [15 M]

    B) Write a VB.NET program to create a table Patient (PID, PName, Contact No, Disease). Insert five records into table and display appropriate message in message box.
                                                                             [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

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Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   **[Marks: - 100**

Q.1.   Advanced Java:

A) Write a java program using multithreading for the following:
   1. Display all the odd numbers between 1 to n.
   2. Display all the prime numbers between 1 to n.

                                                                                            [15 M]

B) Write a SERVLET program to change inactive time interval of session.

                                                                                            [25 M]

Q.2.   Android:

A) Create an application to accept Movie details like Name, Release Year, Collection
and display the same information on the next activity.   [15 M]

B) Construct an application to accept a number and calculate Palindrome and Reverse
and Reverse of a number using Menu.   [25 M]

                                        OR

Q.2   Dot Net Framework:

A) Write a program in C#.Net to separate the individual characters from a String.

                                                                                            [15 M]

B) Write a VB.NET program to accept the details of customer (CName, Contact No,

Email_id). Store it into the database with proper validation and display appropriate

message by using Message box.

                                                                                            [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]

T.Y.B.B.A.(C.A.) Semester – VI (CBCS 2019 Pattern) University Practical Examination
Lab Course: (CA-606) Computer Laboratory Based on 603, 604
Advanced Java, Android / Dot Net Framework

Time: - 3 Hours]   [Marks: - 100

Q.1.   Advanced Java:

A) Write a JSP script to accept a String from a user and display it in reverse order.

[15 M]

B) Write a java program in multithreading using applet for moving car.

[25 M]

Q.2.   Android:

A) Create First Activity to accept information like Student First Name, Middle Name, Last Name, Date of birth, Address, Email ID and display all information on Second Activity when user click on Submit button.   [15 M]

B) Create Table Employee(Eno, Ename, Designation, Salary). Create Android Application for performing the following operation on the table. (Using SQLite Database)
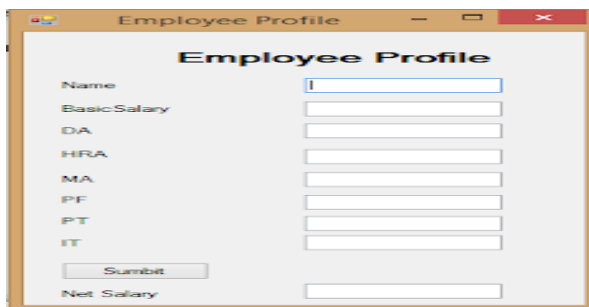
    i) Insert New Employee Details.   [25 M]
    ii) Display all the Employee details.

OR

Q.2   Dot Net Framework:

A) Write a VB.NET program to design following screen, accept the details from the user. Clicking on Submit button Net Salary should be calculated and displayed into the Textbox. Display the Messagebox informing the Name and Net Salary of employee.

[15 M]

B) Write a VB.NET program to accept the details Supplier (SupId, SupName, Phone No, Address) store it into the database and display it.   [25 M]

Q.3   Viva   [10 M]

Q.4   Lab Book   [10 M]