Q1a. Write a java program to display IP Address and Name of client machine. (15)

Q1b. 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)

Q1c. Write ASP.NET program to accept a number and check if its a prime number. (15)

Q1d. Define a class Student with attributes roll no and name. Define default and parameterized constructor. Keep the count of Objects created. Create objects using parameterized constructor and Display the object count after each object is created. (25)

Journal (10)

Viva (10)

Q.2a. Write a multithreading program in java to display all the vowels from a given String. (15)

Q.2b. Write a JDBC program to delete the records of employees whose names are starting with ‘A’ character. (25)

Q2c. Write ASP.NET program to accept a number and check if its a perfect number. (15)

Q2d. Write a C# program to accept n names of cities from the user and display them in descending order. (25)

Journal (10)

Viva (10)

Q.3a. Write a java program to display “Hello Java” message n times on the screen. (Use Runnable Interface). (15)

Q.3b. Write a JDBC program to display the details of employees (eno, ename, department, sal) whose department is “Computer Science”. (25)

Q3c. Write ASP program to demonstrate compare validator. (15)

Q3d. Write a C# program to overload the following operators

* + operator to add 2 objects
* -- operator to decrement the value of an object. (25)

Journal (10)

Viva (10)

Q.4a. Write a JSP program to check whether given number is Armstrong or not. (Use Include directive). (15)

Q.4.b. Write a JDBC program to accept the details of customer (CID, CName, Address, Ph\_No) and store it into the database (Use PreparedStatement interface (25)

Q4c. Write ASP program to print maths table of a number. Accept the number from a text box.

Q4d. Write a C# program to overload the following operators

* - operator to subtract 2 objects
* ++ operator to increment the value of an object. (25)

Journal (10)

Viva (10)

Q.5a. Write a java program for implementation scrollable ResultSet. Consider Emp table (eno ename, sal) (15)

- moveFirst

- moveNext

- movePrevious

- moveLast

Q.5b. Write a SERVLET program to display the details of Product (ProdCode, PName, Price) on the browser in tabular format. (Use database) (25)

Q5c. Write ASP program to accept age from the user and check if the user is valid for voting. (Valid age must be in the range of 18-27) (15)

Q5d. Write a C# program to overload the following operators

* \* operator to subtract 2 objects
* ++ operator to increment the value of an object. (25)

Journal (10)

Viva (10)

Q.6a. Write a java program which will display name and priority of current thread. Change name of Thread to MyThread and priority to 2. Display the details of Thread. (15)

Q.6b. Write a Socket program in java for simple stand alone chatting application (25)

Q6c. Write ASP program to percentage from the user and print his/her class obtained (15)

Q6d. Create a class Employee(eid, ename, sal). Derive a class Manager(hra, ta) from Employee. Override the getSalary() method. (25)

Journal (10)

Viva (10)

Q.7a. Write a JSP page, which accepts user name in a text box and greets the user according to the time on server machine. (15)

Q.7b. 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)

Q7c. Write ASP program to accept temperature in Celsius and convert it to Farenheit (15)

Q7d. Write a C# demo program for hierarchical inheritance. Program must contain accept(), display() methods. (25)

Journal (10)

Viva (10)

Q.8a. 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)

Q.8b. Write a JDBC application using swing for the following: (25)

Type DDL Query

Q8c. Write ASP program to accept currency amount in INR and convert it to USD and vice versa. (1 USD = 70 INR) (15)

Q8d. Create a class Point(x, y). Overload the following operators.

* + operator to add 2 point objects
* - operator to subtract 2 point objects. (25)

Journal (10)

Viva (10)

Q.9a. Write a JSP program to display the details of Hospital (HNo, HName, Address) in tabular form on browser. (15)

Q.9b. Write a Multithreading program in java to convert smile face into the crying face after 5 seconds. (25)

Q9c. Write ASP program to accept mobile number and name from the user and validate it. (15)

Q9d. Write a C# program to overload the following operators

* + operator to add 2 objects
* -- operator to decrement the value of an object. (25)

Journal (10)

Viva (10)

Q.10a. Write a JSP script to check whether given mail ID is valid or not. (Mail ID should contain one @ symbol). (15)

Q.10b. Write a Socket program in java in which client accept a number, send it to the server, server calculates its factorial and sends result to the client. (25)

Q10c. Write ASP program to percentage from the user and print his/her class obtained (15)

Q10d. Create a class Employee(eid, ename, sal). Derive a class Manager(hra, ta) from Employee. Override the getSalary() method.

(25)

Journal (10)

Viva (10)

Q.11a. Write a Multithreading program using Runnable interface to blink Text on the frame. [15]

Q.11b. Write a JSP script to accept username, store it into the session, compare it with password in another jsp file, if username matches with password then display appropriate message in html file. [25]

Q.11c. Write ASP program to create a master file that contains the following menu of a website and use it in the webpage Default.aspx.

Home About Us Contact Us My Account (15)

Q.11d. Write C# program to display the following data stored in the app.

Roll No Student Grade

141 Rakesh 89

142 Mukta 90

143 Jonathan 88

144 Sayali 85

145 Shyam 77

(25)

Journal (10)

Viva (10)

Q.12a. Write a java program to create Teacher table (TNo. TName, Sal, Desg) and insert a record in it. [15]

Q.12b. 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 cookies) [25]

Q.12c. Write C# program to accept two strings and compare whether the two strings are equal in size and are same. (15)

Q12d. Write ASP program to create a web service to display the share price and complete name of a company based on the code of the company. Create a database in the app that contains the following information.

Symbol Name Price

ICI ICICI Bank Ltd. 1290

REL Reliance India 2300

WIP Wipro Software 2290

TCS Tata Consultancy Services 2400 (25)

Journal (10)

Viva (10)

Q.13a. Write a JAVA program which will generate the threads:  
  
- To display 10 terms of Fibonacci series.  
- To display 1 to 10 in reverse order. (15)

Q.13b. Write a JSP application to demonstrate the expression tag by using mathematical operation. (25)

Q13c. Write a C# program to create a class that accepts an array as an argument and finds the average of the elements in that array. Display this average. (15)

Q13d. Write ASP program to accept n integer values in an array and calculate average, maximum, minimum of these array elements. (25)

Journal (10)

Viva (10)

Q.14a. Write a program Synchronization/ demonstrate the join() in multithreading block. (15)

Q.14b. Write a program to execute a batch of SQL statements in Java. (25)

Q14c. Write C# program to create structure called Book with title, author, publisher, and price as the fields of information. Create 2 books with this structure and print the details of these books. (15)

Q14d. Write ASP program to display a calendar on a webpage and when date 5 is clicked on, display the message “Happy Birthday”. (25)

Journal (10)

Viva (10)

Q.15a. Write a program to establish the connection between Java program to database. (15)

Q.15b. Write a Multithreading program in java using Runnable interface to move text on the frame as follow:

Starting Position of Text (25)

Q15c. Write C# program to search for a string entered by the user in an already stored sentence. If the string is found in the sentence display the message “Found” otherwise display “Not Found”. (15)

Q15d. Write ASP program to create a web form to accept username and password and compare the username with “admin” and password with “abcd1234”. If the input is correct display the message “valid user” otherwise “invalid user”. (25)

Journal (10)

Viva (10)

Q.16a. Write a JDBC program for implementation absolute() and relative() methods of ResultSet. Consider Emp table (15)

Q.16b. Write a JDBC program to remove “percentage” column from student (rno, sname, percentage) table. [25]

Q16c. Write C# program to connect with MySQL database called sampledb in WAMP server. Display the data from the table itemlist that has itemid, itemname and itemprice as its fields. (15)

Q16d. Write ASP program to display any 5 web controls. (25)

Journal (10)

Viva (10)

Q.17a. Write a JSP program to accept Name and Age of Voter and check whether he is eligible for voting or not. (15)

Q.17b. Write a java program to simulate traffic signal using multithreading. (25)

Q17c. Write a method called FindMax() in C# that accepts two integers as parameters and return the maximum of the two numbers. (15)

Q17d. Create an XML file containing advertisements. Write ASP program to display these advertisements using adrotator web control. (25)

Journal (10)

Viva (10)

Q.18a. Write a java program using multithreading to execute the threads sequentially.

(Use Synchronized Method) (15)

Q.18b. Write a java program to create a student table with field’s rno, name and per. Insert values in the table. Display all the details of the student on screen. (Use PreparedStatement Interface) (25)

Q18c. Write C# program to identify the type of the input from the user.

(15)

Q18d. Write ASP program to create a scrollable panel with any random text in it. (25)

Journal (10)

Viva (10)

Q.19a. Write a Socket program in java which displays the server machine’s date and time on the client machine. (15)

Q.19b. Write a JSP program to accept the details of Account (ANo, Type, Bal) and store it into database and display it in tabular form. (Use PreparedStatement interface) (25)

Q19c. Write C# program to display tables of 10 and 20 like a matrix as follows. (15)

10 20

20 40

30 60

40 80

50 100

60 120

70 140

80 160

90 180

100 200

Q19d. Write ASP program to accept name, age, gender from the user and display the output in a sentence as “I am ------ and I am ---------- years old and I am a boy / girl”. (25)

Journal (10)

Viva (10)

Q.20a. Write a JDBC program to count the number of records in table. (Without using standard method) (15)

Q.20b. Write a Multithreading program in java for bouncing ball. For each bounce change the color of ball randomly. (25)

Q20c. Write C# program to connect with MySQL database booksdb from WAMP server and search for a book titled ‘ASP dot NET’ from the table books that has bookname as the field to compare the book name to. (15)

Q20d. Write ASP program to accept any number from the user and display the table of that number. (25)

Journal (10)

Viva (10)