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

[Slip no 1]

Q.1. Core Java:

A) Write a java program to display alternate character from a given string.   [15 M]

B) Write a java program to accept details of 'n' cricket player (pid, pname, totalRuns, InningsPlayed,NotOuttimes).Calculate the average of all the players. Display the details of player having maximum average. (Use Array of Object).   [25 M]

Q.2. Python:

A) Write a Python program to check whether input no is palindrome or not.   [15 M]

B) Write Python GUI program to create a digital clock with Tkinter to display the time.

[25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *

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

___

[Slip no 2]

Q.1. Core Java:

   A) Write a Java program to calculate factorial of a number using recursion.   [15 M]

   B) Write a java program to display the files having extension .txt from a

      given directory.   .   [25 M]

Q.2. Python:

   A) Write a python script to generate the following pattern

     *
     **
     ***   [15 M]

   B) Write a python script to define a class student having members roll no, name, age,

      gender. Create a subclass called Test with member marks of 3 subjects. Create three

      objects of the Test class and display all the details of the student with total marks.

                                           [25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *

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

[Slip no 3]

Q.1. Core Java:

A) Write a java program to display following pattern:

  5

4 5

3 4 5

2 3 4 5

1 2 3 4 5   [15 M]

B) Write a java program for the following:

1. To create a file.

2. To rename a file.

3. To delete a file.

4. To display path of a file.   .   [25 M]

Q.2. Python:

A) Write a Python program to check if a given key already exists in a dictionary. If

key exists replace with another key/value pair.   [15 M]

B) Write a python script to generate Fibonacci terms using generator function.

[25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *

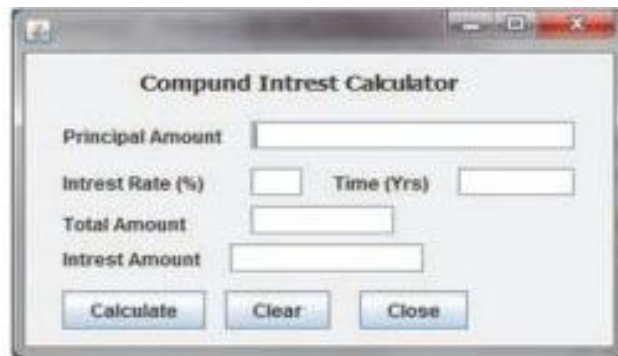
                                                                                     [Slip no 4]

Q.1. Core Java:

A) Write a java program to accept a number from user, if it zero then throw user defined Exception "Number Is Zero", otherwise calculate the sum of first and last digit of that number. (Use static keyword).   [15 M]

B) Write a java program for the following: (use Swing).

                                                                                     [25 M]

Q.2. Python:

A) Write a Python program to add or remove operation on set and length of set   [15 M]

B) Write a Python GUI program to create a label and change the label font style (font name, bold, size). Specify separate check button for each style.

                                                                                     [25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

                                            ***Best Of Luck ***

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

[Slip no 5]

Q.1. Core Java:

A) Write a menu driven java program using command line arguments for the following:

    1. Addition

    2. Subtraction

    3. Multiplication

    4. Division.   [15 M]

B) Create a package TYBBACA with two classes as class Student (Rno, SName, Per) with a method disp() to display details of N Students and class Teacher (TID, TName, Subject) with a method disp() to display the details of teacher who is teaching Java subject. (Make use of finalize() method and array of Object)   [25 M]

Q.2. Python:

A) Write Python program to perform all tuples operation.   [15 M]

B) Write python GUI program to create three radio buttons widget using tkinter module
                                                      [25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *

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

___

[Slip no 6]

Q.1. Core Java:

A) Write a java program to check whether given candidate is eligible for voting or not. Handle user defined as well as system defined Exception.   [15 M]

B) Write a java program to accept details of 'n' cricket player (pid, pname, totalRuns, InningsPlayed, NotOuttimes). Calculate the average of all the players. Display the details of player having maximum average. (Use Array of Object).   [25 M]

Q.2. Python:

A) Write a Python program to accept n numbers in list and remove duplicates from a list. [15 M]

B) B)Write a python GUI program to create two buttons exist and hello using tkinter module   [25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *

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

[Slip no 7]

Q.1. Core Java:

A) Write a Java program to calculate area of Circle, Triangle & Rectangle.(Use Method

   Overloading).   [15 M]

B) Write a java program to display the files having extension .txt from a given directory.

                                                             [25 M]

Q.2. Python:

A) Write a Python GUI program to create a list of Computer Science Courses using Tkinter module

   (use Listbox).   [15 M]

B) Write a Python program to accept two lists and merge the two lists into list of tuple.   [25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *

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

___

[Slip no 8]

Q.1. Core Java:

A)   Write a Java program to calculate area of Circle, Triangle & Rectangle.(Use Method

Overloading).   [15 M]

B) Write a java program to accept details of 'n' cricket player (pid, pname, totalRuns, InningsPlayed,

NotOuttimes). Calculate the average of all the players. Display the details of player having

maximum average. (Use Array of Object).   .   [25 M]

Q.2. Python:

A) Write a Python program to add or remove operation on set and length of set   [15 M]

B) Write Python GUI program to create a digital clock with Tkinter to display the time.

[25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *

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

_____

[Slip no 9]

Q.1. Core Java:

   A) Write a Java program to calculate factorial of a number using recursion.   [15 M]
   B) Write a java program for the following:

     1. To create a file.

     2. To rename a file.

     3. To delete a file.

     4. To display path of a file.   .   [25 M]

Q.2. Python:

   A) Write a python script to generate the following pattern

```
*
**
***
```
                                                                          [15 M]
   B) Write a python script to generate Fibonacci terms using generator function.

                                                                          [25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *

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

[Slip no 10]

Q.1. Core Java:

A) Write a java program to accept a number from user, if it zero then throw user defined Exception "Number Is Zero", otherwise calculate the sum of first and last digit of that number. (Use static keyword).   [15 M]

B) Write a java program for the following:

1. To create a file.
2. To rename a file.
3. To delete a file.
4. To display path of a file.   .   [25 M]

Q.2. Python:

A) Write Python program to perform all tuples operation.   [15 M]

B) Write Python GUI program to create a digital clock with Tkinter to display the time.

[25 M]

Q.3. Viva   [10 M]

Q.4. Lab Book   [10 M]

*Best Of Luck *