

Registration No.: _____

PNR No.: 118191DCA497627

COURSE CODE : DCAP501

COURSE NAME : MODERN PROGRAMMING TOOLS & TECHNIQUES-I

Time Allowed: 03:00 hrs

Max.Marks: 80

1. This question paper is divided into two parts A and B.
2. Answer all the questions in serial order.
3. Part A contains 10 questions of 2 marks each. All questions are compulsory.
4. Part B contains 10 questions (Questions 2 to 11) of 10 marks each, attempt any 06 questions out of 10. Attempt all parts of the selected question. Only first 06 attempted questions would be evaluated.
5. The student is required to attempt the question paper in English medium only.
6. Simple non programmable calculator is allowed.

PART A

- Q1(a) Define variables and data types.
(b) Explain any two string handling methods.
(c) To use a package in any class, the package has to be imported in the class which has to use it. Discuss.
(d) What are Wrapper classes?
(e) The Exception class does not define any of its own methods, but it does inherit the methods provided by Throwable. Comment.
(f) Define Interface.
(g) How abstract class is different from interface. Explain.
(h) Define AWT controls.
(i) Define Window Event Class.
(j) Write any two methods of MouseListener interface.

PART B

- Q2 The Thread class in Java (java.lang.Thread class) is used for constructing and accessing individual threads in a multi-threaded application. Explain by writing a suitable program.
Q3 Structure of a Java program consist of six sections, Justify your answer with the help of example.
Q4 "There are ten types of window events." Discuss.
Q5 Explain the different packages that are supported by Java and also the methods of creating them.
Q6 Create an application to find the sum of two numbers using applets.
Q7 How multiple inheritance can be achieved in java? Discuss with example.
Q8 What is the difference between a Constructor and a method? Write a program to show the use of both.
Q9 Write a program to count the number of characters and spaces in the file created by the user.
Q10 Write a program to show the use of nested try blocks.
Q11 Write a program to derive a new class from the derived one.

-- End of Question Paper --