

Student Registration Number

D

COURSE CODE: DCAP501

COURSE TITLE: MODERN PROGRAMMING TOOLS & TECHNIQUES-I

Date: 25-Sep-2013

Time: 09:30-12:30

Time Allowed: 3 hours

Max. Marks: 80

1. This paper contains 10 questions divided in two parts on 1 page.
2. **Part A is compulsory.**
3. **In Part B (Questions 2 to 10), attempt any 6 questions out of 9. Attempt all parts of the selected question.**
4. The marks assigned to each question are shown at the end of each question in square brackets.
5. Answer all questions in serial order.
6. **The student is required to attempt the question paper in English medium only.**

PART – A

Q1.

- | | |
|--|-----|
| (a) What is the difference between byte and int data type? | [2] |
| (b) What is use of final class? | [2] |
| (c) What is the difference between default and public access modifier? | [2] |
| (d) Which package is imported by default in java? | [2] |
| (e) What do you mean by Wrapper class? | [2] |
| (f) Write two ways to create threads in Java? | [2] |
| (g) Write difference between throw and throws. | [2] |
| (h) Name any three predefined streams in Java. | [2] |
| (i) What is the difference between 'AWT' and 'Swing'? | [2] |
| (j) Define Event Delegation Model. | [2] |

PART – B

- | | |
|---|------|
| Q2. Explain Overloaded constructors in Java with the help of suitable example. | [10] |
| Q3. Explain iteration control statements in java with example. | [10] |
| Q4. Write a program to create two threads, one to print odd numbers between 1 and 50 another thread to print even numbers between 50 and 100. | [10] |
| Q5. Explain life cycle of applet. | [10] |
| Q6. What do you mean by Event Listener? Name Listener interfaces for handling mouse related events. Also write their method names. | [10] |
| Q7. Write a Program to display content of a file. | [10] |
| Q8. Explain various keywords used in Exception Handling in Java? | [10] |
| Q9. (a) Why we require exception handling in Java? | [5] |
| (b) Explain nested try clauses with the help of suitable example. | [5] |
| Q10. (a) Differentiate String and String Buffer classes? | [5] |
| (b) Briefly describe the any five functions of String class. | [5] |