Student Registration Number	
	B

[2]

## COURSE CODE: DCAP501 COURSE TITLE: MODERN PROGRAMMING TOOLS & TECHNIQUES-I

 Date: 26-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.

Q1. a) What is the difference between method and constructor?

## PART-A

Q' ay vinatio and americans between metrica and constructor.		[—]		
b) Define 'class' and 'Abstract class'.		[2]		
c) What is the difference between 'String' and 'StringBuffer' class?		[2]		
d) What are the uses of 'throws' keyword?		[2]		
e) What do you mean by 'Package'?		[2]		
f) What are the different states of Thread life cycle?		[2]		
g) Define 'Byte Stream' and 'Character Stream'.		[2]		
h) Name any two layout managers in AWT package.		[2]		
i) What is the difference between 'AWT' and 'Swing'?		[2]		
<li>j) Write all the methods of 'KeyListener' interface.</li>		[2]		
PART-B				
Q2. Write five methods of each of 'String' and 'StringBuffer' class.		[10]		
Q3. Explain while, do-while and for loops with example.		[10]		
Q4. Write a program to create a thread which prints all the odd numbers	from 21 to	1 in		
reverse order.		[10]		
Q5. Write a program to create an Applet which contains nine Buttons in a square grid.				
		[10]		
Q6. What do you mean by Event Listener? Name any five Listener interf	aces.	[10]		
Q7. What do you mean by Streams? Explain categorization of Stream cl	asses.	[10]		
Q8. Explain various keywords used in Exception Handling in Java?		[10]		
Q9. a) What are the uses of 'super' keyword in Java?	[5]			
b) Define Nested class. What are the two types of nested classes?	[5]			
Q10. a) What do you mean by inheritance in Java?	[5]			
b) Briefly describe the logical operators in Java.	[5]			
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