Candidate No:	

KADI SARVA A VISWAVIDHYALAYA

MCA Semester-I

	Subject Code: MC 01 Subject Name: Java Programming				
Date:	2-1-2014 Time: 10:00 AM to 01:00 PM	Total Marks: 50			
Q-1	Answer the following question.	[10]			
	 Explain Constructors and role it plays in creating class What is Exception? How we can handle it in program. example. 	Explain with suitable			
Q-2	Answer the following question.	[10]			
	[A] Answer the following Objective question.	[05]			
	 Adding two byte data will produce type of a keyword is used to prevent method from overri To inherit an interface from another interface Java is owned by [Sun / Microsoft / a JRE stands for 	dingkeyword is used.			
	[B] Answer the following question.	[05]			
	 What is String? What is difference between following to String x = "Java" String y = new String("Java") Explain StringBuffer. Which is better String or StringBuffer. 				
	[OR]				
	 Write a program to extract string "java" from a given st print total number of vowels. 	ring "I love Java" and also			
Q-3	Answer the following question.	[10]			
	 Explain Thread Life Cycle. Explain the use of File in Java with example. 				
	[OR]				
	 Explain how can we avoid the deadlock in threads. Differentiate Byte Stream and Character Stream. 				

Q-4	Answ	er the following question.	[10]
	1. 2.	A CONTRACTOR OF THE PROPERTY O	
		[OR]	
	1. 2.	Explain applet tag with all its attributes and usage. Explain CheckBox and CheckBoxGroup with example.	
Q-5	Answ	er the following question.	[10]
	1. 2.	What is Collection Framework? Explain in detail. Differentiate List and Set interfaces in Collection Framework.	
		[OR]	
	1. 2.	What is Hash Table explain with suitable example. Write a program to demonstrate the use of ArrayList.	
		All the Best	

KADI SARVA VISHWAVIDYALAYA MCA Semester-I ATKT EXAMINATION MC 01 Fundamentals of Programming

8-4-13 Marks: 50

Q-1. Differentiate between: 1. Operator and Operand. 2. Structure and Union. 3. strepy () and strnepy (). 4. Call by Reference and Call by Value. 5. Entry and Exit Controlled Loop. Q-2. (A) State whether true or false: i) Goto is preferable in C Language. ii) Variable names in C are not case-sensitive. iii) Recursion is when the function calls another separate function. iv) Register storage class is applicable only for global variables. v) gets() is used to input a single character. vi) All the members of the Union has different storage locations. Q-2. (B) Answer in two or three sentences: 1. Explain any two file handling functions. OR 1. Differentiate between malloc() and calloc(). 2. What is Recursion? Why is it used? Q-3. Explain the following: 1. Explain the steps of compilling and linking a C program. 2. Explain any two looping statements with relevant example. OR 1. Explain switch statement with example. OR 2. Explain the storage class of a variable in C. Q-4. Answer the following questions: 1. Why are functions used? Explain types of functions. 2. Write a short note on Operators in C. Q-4. Answer the following; 1. Write a program in C to find the maximum and minimum numbers in an array using functions. 2. Write a program in C to find the sum of diagonal elements in a matrix. OR 1. Write a program in C to print the first n Armstrong numbers. e.g. 153 is an Armstrong number 1³ + 3³ + 5³ = 153 2. Write a program in C to perform Matrix Multiplication.			
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2. Write a program in C to perform Matrix Multiplication.		1. Write a program in C to print the first n Armstrong numbers, e.g. 153 is an	
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