LJ-10211

		(3 Hours) [Total	Marks: 1	100
N.B.) Question No. 1 is compulsory.		
		Attempt any four questions from remaining six questions.		
	(3)) All programs should be written in Java only.		
1.	(a)	Explain the term Robustness and portability in Java.		4
	(b)	Explain Bitwise and logical operators with example.		4
	(c)	Explain System.arraycopy () used in Java programming.		4
	1. 1	Explain the thread methods: isAlive (), join (), sleep ()		4
	(e)	Create an applet that displays human face.		4
2.	(a)	WAP in Java to interchange the values of two numbers using commnad line	argument.	5
	(b)	What is vector? Explain any five methods of vector.		5
	(c)	Explain Multi level inheritance with suitable example.		5
	(d)	Write steps of creating applet.		5
3.	(a)	WAP in Java to check whether entered character is lower case, uppercase	e, numeric	5
		using if-else.		
	(b)	Explain how to access protected members of super class in subclass.		5
	(c)	Explain what are Abstract Class and Abstract Methods.		5
	(d)	Explain how user defined packages are created and accessed in Java.		5
4.	(a)	Explain method overloading and constructor overloading with example	.	10
	(b)	Explain interface. How to implement an interface? Explain with exan	nple	5
	(c)	Explain java.util package.		5
5.	(a)	WAP to check whether entered member is Armstrong or not.		5
	(b)	Explain Java Exception handling Mechanism.		5
	(c)	Explain Thread Life Cycle.		5
	(d)	WAP to demostrate parameter passing to Applet.		5
6.	(a)	WAP to find roots of a quadratic equation.		5
	(b)	WAP to count frequency of a word in a sentence.		5
	(c)	WAP to create user defined exception.		5
	(d)	What is Synchronization? When do we use it.		5
7.	(a)	WAP to demonstrate method overriding.		5
	(b)	Explain the advantages of Vector over Array.		5
	(c)	Explain static members.		5
	(d)	How to achieve multiple inheritance in Java.		5