Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

MCA Integrated - SEMESTER-III • EXAMINATION - WINTER 2015

Subject Code: 4430601 Date: 01/12/ Subject Name: Java Programming			2015	
Time	e: 10:. ictions:	30 am to 1:00 pm Total Marks:	: 70	
	2. N	Attempt all questions. Take suitable assumptions wherever necessary. Sigures to the right indicate full marks.		
Q.1	(a) (b)	Discuss about initializer blocks and class initializer blocks. Answer the following:- (i) Explain the uses of keyword "this" and "super" with an example. (ii) Explain the difference between the variable of primitive data types and reference data type with java code.	07 03 03	
Q.2	(a) (b)	(iii)class is the super class for every class? What is abstract class? Differentiate it from interface. What are the access specifiers available in Java? Explain each of them and state which of these can be applied to members of a class and which can be applied to members of a package. OR	07 07	
	(b)	Explain the difference between Comparable and the Comparator interfaces. Explain them with appropriate example.	07	
Q.3	(a) (b)	Answer the following:- (i) Write a short note on matcher class. (ii) Discuss enum type with example. What is difference between Vector and Hashtable class? How the Enumeration interface is useful in Java explain with code? OR	03 04 07	
Q.3	(a) (b)	What is the difference between runtime errors and compile time errors? Explain using suitable example. Give the hierarchy of Exception. Also explain checked and unchecked exceptions.	02 02 03	
Q.4	(a) (b)	Define file. Discuss any six methods of file class. Answer the following:- (i) Thread life cycle. (ii) Explain the difference between daemon and non-daemon thread. OR	07 04 03	
Q.4	(a) (b)	What is stream? Explain different types of stream. Answer the following:- (i) Define synchronization. Explain synchronized statement with example. (ii) Write short notes on Random Access File.	07 04 03	
0.5	(a)	Explain the component hierarchy for various AWT components.	07	

	(b)	Differentiate between following:-	
		(i) AWT and Swing.	04
		(ii) Frame and Dialog	03
		OR	
Q.5	(a)	What is an event listener? List down all event listener and use it for which component.	07
	(b)	Answer the following:- (i) Explain event delegation model with example. (ii) What is applet? Explain its life cycle with example.	03 04
