Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA Integrated – SEMESTER – III • EXAMINATION – SUMMER 2016

Subject Code: 4430601			Date: 09-05-2016	
Tiı	me: (truction 1. 2.	t Name: Java Programming 02:30 pm To 05:00 pm Total Marks: ons: . Attempt all questions Make suitable assumptions wherever necessary Figures to the right indicate full marks.	70	
Q.1	(a) (b)	 Answer the following: Discuss two features of Java: Robust and Platform Independent. Discuss special operators in Java. Answer the following: Explain method overloading in Java. Give difference between initializer block and class initializer block. 	04 03 04 03	
Q.2	(a) (b)	Give difference between following: i. Static import and normal import ii. Keywords final and abstract iii. Comparator and Comparable What is package? Explain package creation and implementation of it in Java. OR	02 03 02 07	
	(b)	What is an interface in Java? Explain creation and implementation of it in Java.	07	
Q.3	(a) (b)	Discuss five keywords for exception handling in Java. Discuss Scanner class with example.	07 07	
Q.3	(a) (b)	OR Explain user defined exception handling by creating custom exception class in Java. Discuss varargs in Java with example.	07 07	
Q.4	(a) (b)	Discuss FileReader and FileWriter classes from java.io package. Explain life cycle of thread in Java.	07 07	
Q.4	(a) (b)	OR Discuss DataInputStream and DataOutputStream classes from java.io package. List two ways to create thread in Java and explain any one of them.	07 07	
Q.5	(a) (b)	Explain the life cycle of an Applet. Create a GUI on frame that contains two labels, for student_id and student_name, two text fields and one button, when user clicks on button the information from text fields should be displayed on the applet. OR	07 07	
Q.5	(a)	Write note on i. Event Delegation Model	04	
	(b)	ii. Discuss Border Layout manager. Create a GUI on an applet that contains three buttons, Red, Green and Blue, when user clicks on button respective color should be displayed as background of the applet.	03 07	
