## END TERM EXAMINATION

THIRD SEMESTER [MCA] DECEMBER 2019

Time: 3 Hours			Subject: Java Programming  Maximum Marks :75	
Q1.	Answe a) b) c) d) e) f) g) · h) i)	r the following: Java is freeform language. Comment What is the role of wrapper classes in Write a note on CLASSPATH. What is Object class? Explain 'toStri List the methods under WindowListe: What is the difference between applic List atleast six differences between Je Explain user defined exceptions with What are the advantages of swings of Describe the uses of "final" and inheritance.	ng' method of Object class.  ner Interface.  cations and applets?  ava and C++.  an example.	
Q2.	a)	Write an Applet to create the following String Reverse SHOW	ng structure: (9)	
	b)	When the user will click on 'Show' Textbox should reverse and appear Explain the lifecycle of an applet.	button, the string entered in 'String' in the 'Reverse' Textbox.  (3.5)	
Q3.	a) b)	copy constructor in the program. G	or complex numbers. Make use of a set the input from command line. (6) ne polymorphism? How is it achieved (6.5)	
Q4.	three a text of the	checkboxes as RED, GREEN and YE thor. Also change the background c	AWT-based application which contains ELLOW. Display the selected items in olor of the window accordingly to that eckbox is selected, change background (12.5)	
Q5.	a) b)	What are the streams? What are classes? Explain three methods of Differentiate between checked and	e the two broad categories of stream Random Access File Class. (7.5) unchecked exceptions. (5)	
Q6.	a) b)	Write a program to change the nar	ne and priority of the main thread and (6.5) t and sandbox model in Java virtual (6)	
Q7.	Write a) b) c)	e notes on <b>any two</b> of the following: The collection Framework Remote method invocation Java Foundation Classes	(6.25x2=12.5	
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