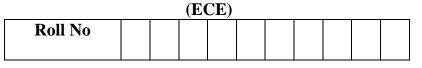
Code No: R15A0507 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India)

III B.Tech I Semester Supplementary Examinations, April 2023

Java Programming



Time: 3 hours

Max. Marks: 75

R15

Note: This question paper contains two parts A and B Part A is compulsory which carriers 25 marks and Answer all questions. Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

PART-A (25 Marks)

	$\mathbf{I} \mathbf{A} \mathbf{K} \mathbf{I} \mathbf{A} \mathbf{K} \mathbf{I} \mathbf{K} \mathbf{S}$	
1). a	Explain the basic principles of object oriented programming.	[2M]
b	Describe various types of variables.	[3 M]
c	Illustrate various uses of super keyword with suitable code segments.	[2M]
d	Differentiate between abstract class and interface.	[3 M]
e	Differentiate between throw and throws keywords.	[2M]
f	Demonstrate the Date class	[3 M]
g	Describe about Scanner class in java	[2M]
h	Write a Java program to handle keyboard events.	[3 M]
i	What are different types of Applets?	[2M]
j	Describe the following Swing components i) JTextField ii) JTextArea	[3 M]
	PART-B (50 MARKS)	
<u>SECTION-I</u>		
2	Discuss declaration, allocation and accessing array elements in Java with an example.	[10M]
	OR	
3	Explain access specifiers with scope rules.	[10M]
5	SECTION-II	[_0]
4	Explain method overloading and method overriding with suitable example.	[10M]
	OR	
5	Write a Java program to implement multiple inheritance using interfaces SECTION-III	[10M]
6	Write a java program to implement StringTokenizer class.	[10M]
	OR	
7	Explain thread synchronization with an example.	[10M]
	<u>SECTION-IV</u>	
8	Explain the process of event handling through delegation model.	[10M]
	OR	
9	Describe AWT class Hierarchy in detail.	[10M]
	SECTION-V	
10	Explain with applet program about life-cycle methods.	[10M]
	OR	
11	Explain the differences between AWT and Swing	[10M]
