MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act,1956

MLRS

II B.Tech II Sem Supply End Examination, July 2022
JAVA Programming
(CSE & IT)

Time: 3 Hours.   Max. Marks: 70

Note: 1. Question paper consists: Part-A and Part-B.
      2. In Part – A, answer all questions which carries 20 marks.
      3. In Part – B, answer any one question from each unit.
         Each question carries 10 marks and may have a, b as sub questions.

PART- A
(10*2 Marks = 20 Marks)

1.	a)	Define an object and write the syntax of creating an object.	2M	CO1	BL1
	b)	What is meant by Inheritance and Polymorphism? Differentiate with an example.	2M	CO1	BL2
	c)	Explain the uses of java packages.	2M	CO2	BL4
	d)	What are the types of I/O streams? Explain in detail.	2M	CO2	BL4
	e)	How are the exceptions handled in java? Explain its mechanism.	2M	CO3	BL4
	f)	What is multitasking? How it is different from multithreading?	2M	CO3	BL1
	g)	What are the main differences between collection and array?	2M	CO4	BL2
	h)	Explain various interfaces used in collection framework.	2M	CO4	BL4
	i)	How to create a GUI in java string?	2M	CO5	BL1
	j)	Define Adapter class.	2M	CO5	BL1

PART- B
(10*5 Marks = 50 Marks)

2	a)	Explain different types of Programming Paradigms.	5M	CO1	BL4
	b)	Explain the features of java.	5M	CO1	BL4

OR

3		Compare class and nested class with help of an program. List the java buzz words.	10M	CO1	BL2

4	a)	Explain the process of defining and creating a package with suitable examples	5M	CO2	BL4
	b)	Discuss about CLASSPATH environment variables.	5M	CO2	BL2

OR

5	What is an interface? What are the similarities between interfaces and classes? Explain with help of a program and mention few advantages of interfaces.	10M	CO2	BL4

6	a)	Explain try, catch, finally with suitable example programs.	5M	CO3	BL4
	b)	Differentiate between thread-based multitasking and process-based multitasking.	5M	CO3	BL2

OR

7	What is multithreading? Explain how multithreading in single processor system is different from multithreading in multiprocessor system?	10M	CO3	BL4

8	a)	Discuss the differences between Hashset and TreeSet with example.	5M	CO4	BL2
	b)	Explain the Bit Set and Calendar classes in detail.	5M	CO4	BL4

OR

9	What is Java Collections Framework? List out some benefits of Collections framework and explain in detail.	10M	CO4	BL1

10	a)	With a neat sketch, explain the Swing architecture.	5M	CO5	BL4
	b)	What is an applet? Explain the life cycle of Applet with a neat sketch.	5M	CO5	BL4

OR

11	What is an Layout manager? Explain different types of Layout managers with example of each layout manager.	10M	CO5	BL4

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