R22

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
II B.Tech II Semester Regular Examinations, June 2024
Object Oriented Programming through Java
(CSE,IT,CS&IT,CSE-CS,CSE-AIML,CSE-DS,CSE-IOT & B.Tech-AIML)

Roll No									

Time: 3 hours   **Max. Marks: 60**

Note: This question paper contains two parts A and B
Part A is compulsory which carries 10 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.

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		PART-A (10 Marks) (Write all answers of this part at one place)	**BCLL**	**CO(s)**	**Marks**
1	A	Define type conversion.	L1	CO-I	[1M]
	B	What is the data type in Java?	L1	CO-I	[1M]
	C	What is multiple inheritance?	L1	CO-II	[1M]
	D	Define a package in Java.	L1	CO-II	[1M]
	E	Define an exception in Java.	L1	CO-III	[1M]
	F	What is the benefit of threads?	L2	CO-III	[1M]
	G	Write an example of try, catch in Java.	L1	CO-IV	[1M]
	H	List different JDBC drivers.	L1	CO-IV	[1M]
	I	What is a layout manager?	L1	CO-V	[1M]
	J	Define event in JAVA.	L1	CO-V	[1M]

PART-B (50 Marks)

SECTION-I

2		Discuss Java buzzwords in detail.	L2	CO-I	[10M]
		OR			
3	A	What is this reference? Write a Java program to demonstrate the use of this reference.	L3	CO-I	[5M]
	B	Explain any five methods of string class with suitable examples.	L2	CO-I	[5M]

SECTION-II

4	A	Discuss different types of inheritance in object-oriented programming.	L2	CO-II	[6M]
	B	Develop a Java program to implement method overriding.	L3	CO-II	[4M]
		OR			
5	A	Compare and contrast an abstract class and an interface.	L2	CO-II	[5M]
	B	Write steps to create and import a user-defined package with an example.	L2	CO-II	[5M]

SECTION-III

6	A	Discuss the hierarchy of exceptions in Java in detail.	L2	CO-III	[5M]
	B	Explain try and catch blocks with a suitable example	L2	CO-III	[5M]

program.

<div align="center">OR</div>

7	A	Explain life thread cycle.	**L4**	**CO-III**	**[5M]**
	B	Write a Java program to create threads.	**L3**	**CO-III**	**[5M]**

<div align="center">**SECTION-IV**</div>

8	A	Write a Java program to demonstrate the Vector class.	**L3**	**CO-IV**	**[5M]**
	B	Discuss the differences between byte streams and character streams in Java I/O.	**L2**	**CO-IV**	**[5M]**

<div align="center">OR</div>

9	A	Explain the types of JDBC drivers.	**L2**	**CO-IV**	**[3M]**
	B	Develop a Java program the implementation of insert and update operations using JDBC.	**L3**	**CO-IV**	**[7M]**

<div align="center">**SECTION-V**</div>

10	A	What is the swings framework? Explain the motivation behind the development of Swing and how it addresses the limitations of AWT.	**L2**	**CO-V**	**[4M]**
	B	Discuss JButton, JText and JTextArea swing components in detail.	**L2**	**CO-V**	**[6M]**

<div align="center">OR</div>

11		Explain about mouse and key events with example program.	**L3**	**CO-V**	**[10M]**

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