

	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE	
	Winter Examination – 2022	
	Course: B. Tech. Branch :Computer Science & Engineering Semester :III	
	Subject Code & Name: BTCOC305(B) Object Oriented Programming in Java	
	Max Marks: 60 Date: Duration: 3 Hr.	
	Instructions to the Students: 1. All the questions are compulsory. 2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question. 3. Write proper Syntax, example and program wherever necessary. 4. Assume suitable data wherever necessary and mention it clearly.	
		(Level/CO)
		Marks
Q. 1	Solve Any Two of the following.	12
A)	Define Class, Method and Object? Show the syntax to define these in java.	Remember 6
B)	Explain parameterized constructor with java program.	Apply 6
C)	What are get () and set () method in java? State advantages of get () and set () method.	Understanding 6
Q.2	Solve Any Two of the following.	12
A)	Write a program in Java to display n terms of natural numbers and their sum.	Apply 6
B)	What is static variable and static function? State difference between static method and instance method.	Understanding 6
C)	Explain method overloading using java program.	Apply 6
Q. 3	Solve Any Two of the following.	12
A)	What is an Array? How do you declare and initialize an Array in java? What are the disadvantages of Array?	Analysis 6
B)	How to pass Arrays to method and return from method in Java?	Understanding 6
C)	What is a Multidimensional array? Write a java program for addition of two dimensional arrays.	Apply 6
Q.4	Solve Any Two of the following.	12
A)	Describe the uses of super keywords with respect to inheritance.	Remember 6
B)	Explain concept of multilevel inheritance using a simple java program.	Apply 6
C)	What is an abstract class in java? What is an interface? List the rules to create an interface in java with example.	Understanding 6

Q. 5	Solve Any Two of the following.		12
A)	What is exceptions handling and state benefits of exception handling in java? Explain Java Exception Handling Keywords.	Remember	6
B)	What is package? Write a program to create user defined package in java.	Analysis	6
C)	How to declare variables in JavaScript? Write a Java script Program to add two numbers by using on click event, form and text box.	Understanding	6
	*** End ***		

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