

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE Regular & Supplementary Summer Examination – 2024 Course: B. Tech. Semester : IV Branch : Artificial Intelligence & Data Science and Allied branches Subject Code & Name: Programming in Java – BTAIPE405D Max Marks: 60 Date: 24/06/2024 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. Use of non-programmable scientific calculators is allowed. 4. Assume suitable data wherever necessary and mention it clearly.			
		(Level/CO)	Marks
Q. 1	Solve Any Two of the following.		12
A)	Explain the features of java.	L1 / CO1	6
B)	Explain the use of final keyword with variable, method and class in java.	L1 / CO1	6
C)	Explain Interface in detail and write a program to create an interface and implement it.	L2 / CO1	6
Q.2	Solve Any Two of the following.		12
A)	Explain exception handling in java and write a program to implement ArithmeticException in java.	L1/CO2	6
B)	Explain the life cycle of thread and thread priorities in java	L1/CO2	6
C)	Write a program to implement overloading of constructor in java.	L3/CO2	6
Q. 3	Solve Any Two of the following.		12
A)	Explain Mouse and Keyboard Events in Java	L1/CO3	6
B)	Illustrate with suitable diagram the Delegation Event Model in Java	L2/CO3	6
C)	What is the use of graphics class? Enlist and explain different methods and its use provided in graphics class.	L3/CO3	6
Q.4	Solve Any Two of the following.		12
A)	List any six Java networking classes and any six Java networking interfaces of java.net package	L2/CO4	6
B)	Explain PrintWriter class and write a program to illustrate the use of PrintWriter class.	L3/CO4	6

C)	Demonstrate any one way to Read Console Input and any one way to Write Console Output	L2/CO4	6
Q. 5	Solve Any Two of the following.		12
A)	Explain in detail JDBC driver types.	L1/CO5	6
B)	Write a program to implement JDBC connectivity and implement insert, update, delete and select statements on an employee (id , name) table.	L2/CO5	6
C)	Define Statement, ResultSet, Prepared Statement, callable statements.	L2/CO5	6
	*** End ***		