R19

II B. Tech II Semester Regular Examinations, August/September - 2021
JAVA PROGRAMMING
(Com to CSE, IT)

Time: 3 hours   Max. Marks: 75

Answer any **FIVE** Questions each Question from each unit
All Questions carry **Equal** Marks
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1	a)	Explain various Key Words available in Java.	[8M]
	b)	Discuss the rules in Automatic Type Promotion in Expressions.	[7M]

Or

2	a)	Explain various Operators in Java.	[8M]
	b)	Write a Java Program to test whether a given character is Vowel or Consonant.	[7M]
3	a)	Explain the concept of call by value with an example.	[8M]
	b)	Write a Java Program to find sum of natural numbers.	[7M]

Or

4	a)	Explain the concept of Nesting of Methods with an example.	[8M]
	b)	Write a Java Program to swap two numbers using bitwise operator.	[7M]
5	a)	Write a Java Program to multiply two matrices.	[8M]
	b)	Explain the concept of method overloading with an example.	[7M]

Or

6	a)	Explain the concept of Inhibiting Inheritance of Class using final with a suitable example.	[8M]
	b)	Write a program to demonstrate the use of arrays as vectors.	[7M]
7	a)	Write the benefits of packages and interfaces.	[8M]
	b)	What are the advantages of using an Exception handling mechanism in a program?	[7M]

Or

8	a)	Write a java program that demonstrates how certain exception types are not allowed to be thrown.	[8M]
	b)	How can we add a class to a package? Write about relative and absolute paths.	[7M]
9	a)	Write briefly on multithreaded programming and inter-thread communication inJava.	[8M]
	b)	Discuss the procedure to create JDBC Application.	[7M]

Or

10	a)	Explain JDBC Transaction Management in detail.	[8M]
	b)	Explain Inter-thread Communication with an example.	[7M]