

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2024)

CLASS: BCA
BRANCH: BCA

SEMESTER: III
SESSION : MO/2024

SUBJECT: CN201 JAVA PROGRAMMING

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
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		CO	BL
Q.1(a)	Explain the four major features of object-oriented programming.	[2] 1	1
Q.1(b)	Explain the structure of a Java program with suitable example.	[3] 2	2
Q.2(a)	Write a note on Java Virtual Machine.	[2] 2	2
Q.2(b)	Write a program in Java to Check whether the number is prime or not.	[3] 3	3
Q.3(a)	What are the primitive data types available in Java?	[2] 2	2
Q.3(b)	Explain various ways of flow-control statements in Java.	[3] 2	2
Q.4(a)	Explain the use of iterative statements in Java with example.	[2] 2	2
Q.4(b)	Write a menu driven program using switch in Java to perform following: i) For input of 1, find the factors of the number ii) For input of 3, check the number is odd or even.	[3] 3	3
Q.5(a)	What do you mean by method overloading?	[2] 2	2
Q.5(b)	Explain the concept of passing parameters to a method by value with examples.	[3] 3	3

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