

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION SP/23)

CLASS: BTECH
BRANCH: ALL

SEMESTER : IV
SESSION : SP/2023

SUBJECT: CA201 OBJECT ORIENTED PROGRAMMING USING JAVA

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)	What is Reserved Keyword in Java? Give one example.	[2] 2	1
Q.1(b)	Differentiate between Procedure Oriented Programming and Object Oriented Programming.	[3] 1	2
Q.2(a)	What is Java Virtual Machine? How it works?	[2] 1	1
Q.2(b)	Explain why main method is declared as <i>public</i> , <i>static</i> and <i>void</i> ?	[3] 2	2
Q.3(a)	What is instance variable? Give example of such variable.	[2] 2	1
Q.3(b)	Write a program in Java to check whether a given integer number is even or odd.	[3] 4	3
Q.4(a)	Write the syntax of switch case statement.	[2] 2	1
Q.4(b)	Write a program to find sum of first 10 numbers. Use loop.	[3] 4	3
Q.5(a)	Define Array. How one dimensional array is declared? Give Example.	[2] 2	1
Q.5(b)	What is method in Java? Give an example how to add method in a class.	[3] 4	3

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