

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

CLASS : BCA
BRANCH: BCA

SEMESTER : III
SESSION : MO/2024

SUBJECT: CN205 CONCEPT OF PROGRAMMING LANGUAGES

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

		CO	BL
Q.1(a)	Explain the Characteristics of Good Programming Languages.	[2]	1 1
Q.1(b)	Explain the Properties of Structure and Non-Structure of data types.	[3]	1 2
Q.2(a)	What do you mean by Concurrent Programming explain with suitable example?	[2]	2 3
Q.2(b)	Explain Imperative and Functional Programming Paradigms.	[3]	3 4
Q.3(a)	Explain the Implicit and Explicit Sequence Control and define sequencing with arithmetic and non-arithmetic expression.	[2]	2 3
Q.3(b)	Write a Program to find the sum of squares of the numbers from 1 to 100 using C or C++ or JAVA.	[3]	2 4
Q.4(a)	Explain the various Categories of Sequence Control.	[2]	3 1
Q.4(b)	Write a Program to read a decimal number and find out its equivalent binary number using C or C++ or JAVA	[3]	4 3
Q.5(a)	What is a Class? How does it accomplish data hiding?	[2]	2 2
Q.5(b)	Can we have more than one constructor in a class? If yes, explain the need for such situation.	[3]	4 2

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