

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

**CLASS: BCA
BRANCH: BCA**

**SEMESTER : III
SESSION : MO/2025**

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
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		CO	BL
Q.1(a)	Explain the Characteristics of Good Programming Languages.	[2] 1	1
Q.1(b)	Explain the difference between of Object-Oriented and Procedural Paradigm with suitable example.	[3] 1	2
Q.2(a)	Write Short Notes about Composite and Scalar Data types.	[2] 2	2
Q.2(b)	Explain the difference between Structured , Semi-Structured and Unstructured Data.	[3] 2	3
Q.3(a)	What is Functional Programming? Explain the classification of Functional Programming? What are the Applications of Functional Programming?	[2] 3	3
Q.3(b)	Explain with suitable example of Concurrent Programming.	[3] 3	4
Q.4(a)	What is Implicit and Explicit Sequence Control? What are the advantages and disadvantages of Implicit and Explicit Sequence Control?	[2] 4	3
Q.4(b)	Explain Arithmetic and Non-Arithmetic Expression in Sequence Control.	[3] 4	4
Q.5(a)	What is the Characteristics of Sub-Program explain with suitable example.	[2] 1	2
Q.5(b)	Explain with the suitable example implicit and explicit type-conversion.	[3] 5	3

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