

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(MID SEMESTER EXAMINATIONS/2025)

CLASS: BBA  
BRANCH: BBA

SEMESTER : VI  
SESSION : SP/2025

SUBJECT: MT315 PROGRAMMING TECHNOLOGY

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	Explain in detail the Program development Process emphasizing all the phases involved.	[5]	1	2
Q.2	Write the Algorithm and give the corresponding Flow Chart for finding the following Sum Series: $S = 1 + 3 + 5 + \dots +$ upto N terms. Show the Dry run of the Algorithm as well.	[5]	3,4	2,6
Q.3	Explain the different types of errors with their debugging complexity, that may occur during programming.	[5]	2	1,5
Q.4(a)	Why do we call some languages as <i>Low Level</i> while others as <i>High Level</i> ? In what respect they are <i>Low</i> and <i>High</i> ? Explain Briefly.	[2]	1	1,2
Q.4(b)	What do you understand by the term 'Computer Language'? How does <i>Assembly Language</i> differs from High Level Language? Explain.	[3]	1	1,2
Q.5(a)	What is meant by the term 'Programming Paradigm' ?	[2]	1	1
Q.5(b)	What do you understand by Structured Programming?	[3]	1	1,3

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