

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

**CLASS: MBA
BRANCH: MBA**

**SEMESTER : IVth
SESSION : SP/2025**

SUBJECT: MT536 R1 OPERATIONS PLANNING AND CONTROL IN SUPPLY CHAIN MANAGEMENT

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q.1(a)	Explain the significance of operations planning and control in improving business efficiency and customer satisfaction.	[5]	1
Q.1(b)	What are the techniques to operation planning and control?	[5]	1
Q.2(a)	What is the role of forecasting in supply chain management?	[5]	2
Q.2(b)	How does it support sales, inventory and operation planning.	[5]	2
Q.3(a)	Explain the importance of inventory management.	[5]	3
Q.3(b)	Explain how the market production schedule contributes to effective production planning.	[5]	3
Q.4(a)	Differentiate between MRP - 1 and MRP - 2.	[5]	4
Q.4(b)	Explain the capacity planning in effective material requirement planning.	[5]	4
Q.5(a)	Elaborate Just-in-time philosophy.	[5]	5
Q.5(b)	How does it strategically impact operations planning and control in a manufacturing environment?	[5]	5

:28/04/2025:E