

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

**CLASS: MBA
BRANCH: MBA**

**SEMESTER : 4th
SESSION : SP/2024**

SUBJECT: MT536R1 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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| Q.1(a) Explain operations planning and its technique. | [5] | |
| Q.1(b) Write down operations planning application in the field of business. | [5] | |
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| Q.2(a) Discuss forecasting in the supply chain and the method of forecasting. | [5] | |
| Q.2(b) Explain SIOP (sales inventory and operations planning) process. | [5] | |
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| Q.3(a) Explain inventory control and management along with its importance in an organization. | [5] | |
| Q.3(b) What are the steps involved in creating master planning schedule. | [5] | |
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| Q.4(a) Write note on MRP 1 and MRP 2. | [5] | |
| Q.4(b) What are capacity planning process. | [5] | |
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| Q.5(a) Explain the concept of Just-in-time. | [5] | |
| Q.5(b) How Just-in-time impacts strategically in operations planning and control. | [5] | |

:::25/04/2024 E:::