

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

**CLASS: MBA
BRANCH: MANAGEMENT**

**SEMESTER : IIIrd
SESSION : MO/2024**

SUBJECT: MT533 OPEARTIONS STRATEGY & 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) | What is operations strategy ? Identify and explain the Key Elements of an Operations Strategy | [05] | 01 | 03 |
| Q.1(b) | What are the different types of Operations Strategies? Explain. | [05] | 01 | 03 |
| Q.2(a) | Identify different types of processes based on product volume and product standardization and explain the same with examples. | [05] | 02 | 03 |
| Q.2(b) | What is Six Sigma ? Distinguish between DMAIC and DMADV. | [05] | 02 | 03 |
| Q.3 | Explain in detail Quality Control (QC) tools (all seven tools) with relevant diagrammatic representation. | [10] | 03 | 02 |
| Q.4(a) | What are the leading supply chain risks that are being talked about today globally ? Explain at least ten of these risks. | [05] | 04 | 02 |
| Q.4(b) | What is Risk Pooling in Supply Chain Management and how Supply Chain Risk Pooling Works ? | [05] | 04 | 02 |
| Q.5(a) | What is supply chain collaboration and why it is so important ? | [05] | 05 | 02 |
| Q.5(b) | Identify and explain common types of supply chain collaboration. | [05] | 05 | 02 |

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