

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

MBA I Year II Semester Regular Examinations May-2026
OPERATIONS MANAGEMENT

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

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|---|---|---|-----|----|----|
| 1 | a | Explain the nature and scope of Operations Management. | CO1 | L2 | 6M |
| | b | Discuss the transformation process model with a neat diagram. | CO1 | L3 | 6M |

OR

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|---|---|---|-----|----|----|
| 2 | a | Explain the evaluation of Operations Management. | CO1 | L2 | 6M |
| | b | Explain the impact of globalization in Operations Management. | CO1 | L4 | 6M |

UNIT-II

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|---|---|---|-----|----|----|
| 3 | a | Explain the concept and importance of Quality Control. | CO2 | L2 | 6M |
| | b | Discuss Quality Assurance and its role in operations control. | CO2 | L2 | 6M |

OR

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|---|---|---|-----|----|----|
| 4 | a | Discuss the Statistical Quality Control and its applications. | CO2 | L3 | 6M |
| | b | Discuss the causes of variation in quality and their control. | CO2 | L4 | 6M |

UNIT-III

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|---|---|---|-----|----|----|
| 5 | a | Explain the basic concepts and dimensions of quality. | CO3 | L2 | 6M |
| | b | Discuss Juran's Quality Trilogy in detail. | CO3 | L3 | 6M |

OR

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|---|---|--|-----|----|----|
| 6 | a | Explain methods of measuring productivity. | CO3 | L3 | 6M |
| | b | Discuss techniques for improving productivity. | CO3 | L4 | 6M |

UNIT-IV

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|---|---|--|-----|----|----|
| 7 | a | Explain the concept and importance of inventory control. | CO4 | L2 | 6M |
| | b | Discuss different systems for inventory control. | CO4 | L3 | 6M |

OR

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|---|---|--|-----|----|----|
| 8 | a | Explain the concept of value analysis. | CO4 | L2 | 6M |
| | b | Discuss the importance of value analysis in cost production. | CO4 | L4 | 6M |

UNIT-V

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|---|---|---|-----|----|----|
| 9 | a | Explain the concept and evaluation of Industry 4.0. | CO6 | L2 | 6M |
| | b | Discuss various industrial revolutions. | CO6 | L2 | 6M |

OR

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|----|---|---------------------------------------|-----|----|----|
| 10 | a | Discuss the drivers of Industry 4.0. | CO6 | L3 | 6M |
| | b | Explain the enablers of Industry 4.0. | CO6 | L3 | 6M |

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