



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code : OM 404 SUPPLY CHAIN ANALYTICS

UPID : 004685

Time Allotted : 3 Hours

Full Marks : 70

The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :

[1 x 10 = 10]

- (I) In supply chain management, what are the next stage after planning?
- (II) POK stands for?
- (III) _____ is mainly deals with all activities associated with the flow and transformation and information of goods from the stage of raw material to the end user i.e. consumption.
- (IV) JIT does not believe in _____
- (V) Who coined the term supply chain management?
- (VI) Which automobile company successfully implemented Just-in-Time ?
- (VII) What is safety Stock?
- (VIII) What the center line for a \bar{x} bar chart denotes _____
- (IX) What is Scheduling ?
- (X) What TPM aims at?
- (XI) What is the sequence of operations in the Production Planning and Control process?
- (XII) What are the two components that make up the EOQ equation?

Group-B (Short Answer Type Question)

Answer any three of the following :

[5 x 3 = 15]

2. What are the important performance indicator for materials management of a company? [5]
3. Mention important KPIs for Production [5]
4. Define EOQ and EBQ. Mention the numerical formula for both of them. [5]
5. What is Annual operative Planning in the production unit? [5]
6. What is a transportation problem and its usefulness? [5]

Group-C (Long Answer Type Question)

Answer any three of the following :

[15 x 3 = 45]

7. (a) What is Total Quality Management? [8]
(b) What are the pros and cons of TQM? [7]
8. State the importance of Ecommerce in retail supply chain metrics [15]
9. (a) What is Annual Operational Planning? [5]
(b) Explain briefly, different steps involved in developing Annual Operational Planning? [10]
10. (a) What is Lean Management? [10]
(b) What are five core elements of Lean Management? [5]
11. State the significance of the Theory of Constraint [15]

*** END OF PAPER ***