APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Scheme for Valuation/Answer Key
Scheme of evaluation (marks in brackets) and answers of problems/key
SEVENTH SEMESTER B.TECH DEGREE EXAMINATION (S), MAY 2019
Course Code: IE306
Course Name: SUPPLY CHAIN AND LOGISTICS MANAGEMENT

Max. Marks: 100   Duration: 3 Hours

PART A
Answer any two full questions, each carries 15 marks.

Marks

1	a)	Any five metrics for performance measurement.	(5)
	b)	Diagram with explanation.	(3)
	c)	Methods of managing demand	(7)
2	a)	Name the flows	(3)
	b)	Explanation of planning decision	(5)
	c)	Equation MAPE, with explanation, suitability	(7)
3	a)	Difference of Push and pull view	(3)
	b)	Define implied demand uncertainty	(4)
	c)	Level 2marks, trend 2 marks, forecast 2, seasonal factor 2 marks.	(8)

PART B
Answer any two full questions, each carries 15 marks.

4	a)	load matrix=2marks, distance matrix-2marks and relationship matrix-3marks in for layout problems.	(7)
	b)	Safety inventory-3marks, Average inventory-3marks and Average time-2marks.	(8)
5	a)	Information required-5marks Outputs of an aggregate plan-3marks	(8)
	b)	Description of bull whip effect-5marks Example-2marks	(7)
6	a)	Chase strategy explanation-4marks Level Strategy-4marks	(8)
	b)	Explanation of terms-2 marks Derivation-5marks	(7)

PART C
Answer any two full questions, each carries 20 marks.

7	a)	Costs (10)	(10)
	b)	Reverse Logistics (5), Difference (5)	(10)
8	a)	Strengths (5), Weakness (5)	(10)
	b)	Knapsack Problem (5), Examples (5)	(10)
9	a)	Introduction (1), Explanation (4)	(5)

b) Introduction (1), Explanation (4) (5)

c) Introduction (3), Explanation (7) (10)

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