

## APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

### Scheme for Valuation/Answer Key

*Scheme of evaluation (marks in brackets) and answers of problems/key*

**EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019**

**Course Code: ME476**

**Course Name: Material Handling & Facilities Planning**

Max. Marks: 100

Duration: 3 Hours

#### PART A

*Answer any three full questions, each carries 10 marks.*

		Marks
1	a) Product layout-2 marks , Process layout-2 marks	(4)
	b) Draw Flow chart of SLP	(6)
2	a) Explanation with the help of from To chart	(5)
	b) Explanation of largest candidate rule	(5)
3	a) Automated Layout Design programme brief explanation	(5)
	b) Any 4 points with brief explanation	(5)
4	Any 5 plant services	(10)

#### PART B

*Answer any three full questions, each carries 10 marks.*

5	Causes-5 marks Corrective action- 5 marks	(10)
6	What is air pollution-3 marks. Sources-7 marks	(10)
7	Any 5 factors	(10)
8	a) Two functions	(2)
	b) Any 4 advantages	(4)
	c) Brief Explanation	(4)

#### PART C

*Answer any four full questions, each carries 10 marks.*

9	Any 5 types of storage systems	(10)
10	Explanation of basic material handling methods	(10)
11	Equipment oriented system-5 marks. Material oriented system-5 marks	(10)
12	Explanation of design methodology	(10)
13	Hoppers-5 marks. Crushers-5 marks	(10)
14	Preventive maintenance- 5 marks. Break down maintenance-5 marks	(10)

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