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: FT482
Course Name: Food Process Engineering

Max. Marks: 100   Duration: 3 Hours

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

Marks

1	a)	Statement (3) equation (2)	(5)
	b)	Figure (1) Explanation (2)	(3)
	c)	Explanation 7	(7)
2	a)	Explanation (5)	(5)
	b)	Each value (2.5 Mark)	(5)
	c)	Explanation (3) Fig (2)	(5)
3	a)	Single Disc (2.5) Double Disc (2.5)	(5)
	b)	steam, lye, abrasion, mechanical, flame etc	(5)
	c)	process 1.5, purpose -3.5	(5)
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PART B
Answer any two full questions, each carries 15 marks.

4	a)	Graph (2 Marks) Parameters (3)	(5)
	b)	Explanation (3)	(3)
	c)	Figure(2) Explanation (5)	(7)
5	a)	Definition -1 purpose-1 types- 3	(5)
	b)	Equation (3) terms(1)	(4)
	c)	Tunnel (3) conveyer belt (3)	(6)
6	a)	Each property (1 Mark)	(5)
	b)	Figure (1) explanation (2)	(3)
	c)	Figure (2) explanation (5)	(7)
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PART C
Answer any two full questions,each carries 20 marks.

7	a)	Explanation Liquid filling by gravity, const volume, pressure, vacuum -5	(10)
		solid filling by pressure, weight, counting, volume -5	

b) Explanation (5) (5)

c) Each effect (1.5 Marks) (5)

8 a) Explanation (7) (7)

b) Figure(2.5) explanation (5.5) (8)

c) Frying process -5 (5)

9 a) Explanation Packaging materials; traditional, industrial - metal, glass, paper, polymers etc (10)

b) Explanation with figure or detailed explanation (6)

c) Explanation -4 (4)

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