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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Scheme for Valuation/Answer Key

Scheme of evaluation (marks in brackets) and answers of problems/key
FIRST SEMESTER B.TECH DEGREE EXAMINATION(S), MAY 2019

Course Code: BE101-02

Course Name: INTRODUCTION TO MECHANICAL ENGINEERING SCIENCES

Max. Marks: 100

Duration: 3 Hours

PART A

Answer any two questions, each carries 15 marks.

		Marks
1	a) Explanation with P V and T S diagram– 7 marks, limitations-3 marks	(10)
	b) Statement-3 marks, significance- 2 marks	(5)
2	a) Classification-2 marks, description- 5 marks	(7)
	b) Explanation-3 marks, sketch- 3 marks, merit and demerit-2 marks	(8)
3	a) Any five milestones-5 marks	(5)
	b) Explanation- 5 marks, sketches with P V Diagram – 5 marks	(10)

PART B

Answer any two questions, each carries 15 marks.

4	a) Significance -2 marks, sketch and marking – 6 marks	(8)
	b) Sketch- 3 marks, explanation -4 marks	(7)
5	a) Sketch- 3 marks, explanations- 4 marks	(7)
	b) Block diagram- 5 marks, role-3 marks	(8)
6	a) Explanations – 7 marks	(7)
	b) Explanation – 4 marks, diagram – 4 marks	(8)

PART C

Answer any two questions, each carries 20 marks.

7	a) Types – 3 marks, explanation- 7 marks	(10)
	b) Properties – 6 marks, applications-4marks	(10)
8	a) Sketch-4marks, description-6marks	(10)
	b) Differentiation- 4 marks, diagram with parts- 6 marks	(10)
9	a) Description-6 marks, sketch-4 marks	(10)
	b) Suggestion – 1 mark, Explanation- 5 marks, diagram- 4 marks	(10)
