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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

SEVENTH SEMESTER B.TECH DEGREE EXAMINATION (S), MAY 2019

Course Code: ME463

Course Name: Automobile Engineering

Max. Marks: 100

Duration: 3 Hours

PART A

Answer any three full questions, each carries 10 marks.

Marks

- | | | |
|---|--|-----|
| 1 | a) Explanation (3), Diagram (3) | (6) |
| | b) Turbo lag (2), Reduction methods (2) | (4) |
| 2 | a) Functions (1) for each items | (6) |
| | b) purpose of front wing (2), purpose of rear wing (2) | (4) |
| 3 | a) Factors (4) | (4) |
| | b) Diagram (3), Working (3) | (6) |
| 4 | a) Explanation (3), Diagram (3) | (6) |
| | b) Resistive Forces (4) | (4) |

PART B

Answer any three full questions, each carries 10 marks.

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|---|----------------------------------|-----|
| 5 | a) Explanation (3), Diagram (3) | (6) |
| | b) Advantages (4) | (4) |
| 6 | a) Derivation (3), Diagram (3) | (6) |
| | b) Explanation (4) | (4) |
| 7 | a) Features (3), Diagram (3) | (6) |
| | b) functions (2), advantages (2) | (4) |
| 8 | a) Working (3), Diagram (4) | (7) |
| | b) Definition (1) for each items | (3) |

PART C

Answer any four full questions, each carries 10 marks.

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|----|---------------------------------|-----|
| 9 | a) Working (2), Diagram (3) | (5) |
| | b) function (2), working (3) | (5) |
| 10 | a) Derivation (3)for each items | (6) |
| | b) Properties (4) | (4) |
| 11 | a) Working (3), Diagram (3) | (6) |
| | b) Explanation (4) | (4) |



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|----|----|------------------------|-----|
| 12 | a) | Explanation (5) | (5) |
| | b) | Explanation (5) | (5) |
| 13 | a) | need (2), function (3) | (5) |
| | b) | Explanation (5) | (5) |
| 14 | a) | controlmethods (5) | (5) |
| | b) | Explanation (5) | (5) |

