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| **Scheme of Valuation/Answer Key**  (Scheme of evaluation (marks in brackets) and answers of problems/key) | | | | | |
| **APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  V SEMESTER B.TECH DEGREE EXAMINATION, DECEMBER 2018 | | | | | |
| **Course Code: ME220** | | | | | |
| **Course Name: MANUFACTURING TECHNOLOGY** | | | | | |
| Max. Marks: 100 | | |  | Duration: 3 Hours | |
|  | | | | | |
| **PART A** | | | | | |
|  |  | ***Answer any three full questions, each carries 10 marks.*** | | | Marks |
| 1 | a) | Explanation (2) and sketch(3) | | | 5 |
|  | b) | Diagrams(3) and explanation(2) | | | 5 |
| 2 | a) | Definition -2and advantages(3) | | | 5 |
|  | b) | Diagrams-2 and explanation (,3) | | | ( 5) |
| 3 | a) | Definition-2 and explanation(,3) | | | 5 |
|  | b) | Diagram-3,explanation-2 | | | 5 |
| 4 | a) | Definition of clamping and explanation for principle of clamping? | | | 5 |
|  | b) | Diagram-3,Explanation (2) | | | 5 |
| **PART B** | | | | | |
| ***Answer any three full questions, each carries 10 marks.*** | | | | | |
| 5 | a) | Diagram-3 and explanation -2 | | | ( 5) |
|  | b) | Explanation mentioning “Mechanical properties”(5) | | | (5 ) |
| 6 | a) | Difference explanation | | | 6 |
|  | b) | Diagram-2 and explanation-2 | | | 4 |
| 7 | a) | 3-2-1 principle explanation | | | 5 |
|  | b) | Diagram-2 and explanation-3 | | | 5 |
| 8 | a) | Explanation of clamping-3, advantages-3 | | | 6 |
|  | b) | Diagram-2and explanation for locating surfaces-2 | | | 4 |
| **PART C** | | | | | |
| ***Answer any four full questions, each carries 10 marks.*** | | | | | |
| 9 | a) | Diagram with explanation | | | (5 ) |
|  | b) | Diagraam-2 and explanation-3 | | | ( 5) |
|  |  |  | | |  |
| 10 | a) | Diagram-2, Explanation-2 | | | 4 |
|  | b) | Diagram-4, explanation -2 | | | 6 |
|  |  |  | | |  |
| 11 | a) | Explanation-3 | | | 3 |
|  | b) | Diagrams -4, Explanation-3 | | | 7 |
|  |  |  | | |  |
| 12 | a) | Diagram-2,Explanation-2 | | | 4 |
|  | b) | Diagram-3, explanation 3 | | | 6 |
| 13 | a) | Explanation-4 | | | 4 |
|  | b) | Diagram-4, explanation-2 | | | 6 |
| 14 | a) | Diagram-3,Explanation-2 | | | 5 |
|  | b) | Diagram-3,Explanation -2 | | | 5 |
| \*\*\*\* | | | | | |