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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**  SIXTH SEMESTER B.TECH DEGREE EXAMINATION, APRIL 2018 | | | | | |
| **Course Code: EC308** | | | | | |
| **Course Name:Embedded Systems** | | | | | |
| Max. Marks: 100 | | |  | Duration: 3 Hours | |
| **PART A** | | | | | |
|  |  | ***Answer any two full questions, each carries 15 marks*** | | | Marks |
| 1 | a) | Listing of functional blocks 5 marks | | | (5) |
|  | b) | Diagram 4 marks + explanation 6 marks | | | (10) |
| 2 | a) | Definition 2 marks+ description 6 marks | | | (8) |
|  | b) | Identification of serial communication standards 1 marks + diagrams 3 marks+ description 3marks | | | (7) |
| 3 | a) | Minimum 5 points of comparison 5 marks | | | (5) |
|  | b) | i)USB description 3 marks +figure 2marks ii) CAN description 3 marks + diagram 2 marks | | | (10) |
| **PART B** | | | | | |
| ***Answer any two full questions, each carries 15 marks*** | | | | | |
| 4 | a) | Description 5 marks | | | (5) |
|  | b) | Diagrams 4 marks +description 6 marks | | | (10) |
| 5 | a) | Explanation 8 marks | | | (8) |
|  | b) | Minimum 7 features 7 marks | | | (7) |
| 6 | a) | 5 points 5 marks | | | (5) |
|  | b) | Definition 2 marks + example 2 marks +description 6 marks | | | (10) |
| **PART C** | | | | | |
| ***Answer any two full questions, each carries 20 marks*** | | | | | |
| 7 | a) | Example 2 marks + explanation 8 marks | | | (10) |
|  | b) | i) description 5 marks ii) description 5 marks | | | (10) |
| 8 | a) | RPC concept 3 marks+ description 7 marks | | | (10) |
|  | b) | Diagram 4 marks +description 6 marks | | | (10) |
| 9 | a) | Functions 10 marks | | | (10) |
|  | b) | Functions 10 marks | | | (10) |
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