Assignment Unit-2

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| Set –A | | | | |
| S. no | Question | Marks | COs | BT Level |
|  | Construct a minimum state automaton equivalent to the DFA described as | 5 marks | CO4 | Level 5 |
| 2. | Consider a Mealy machine     1. Construct Transition table for this given Mealy Machine 2. Find Output for input 001 3. Construct a Moore machine equivalent to this Mealy machine | 5 marks | CO5 | Level 6 |

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| Set –B | | | | |
| S. no | Question | Marks | COs | BT Level |
| 1. | Construct a reduced grammar by removing useless symbols equivalent to the grammar | 5 marks | CO4 | Level 5 |
| 2. | Consider the Moore machine described by the transition table given by Table. Find Output for input string 001 and Construct the corresponding Mealy machine | 5 marks | CO5 | Level 6 |

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| Set –C | | | | |
| S. no | Question | Marks | COs | BT Level |
| 1. | Construct a grammar in Greibach normal form equivalent to the grammar | 5 marks | CO4 | Level 5 |
| 2. | Consider the Moore machine described by the transition table given by Table.     1. Draw equivalent transition diagram from given table 2. Construct the corresponding Mealy machine represent it by transition table and transition diagram | 5 marks | CO5 | Level 6 |