**SVKM’S NMIMS, School of Technology Management & Engineering | Navi-Mumbai**

**B-Tech (A.Y. 2020-21)**

**Term Work 2 (b)**

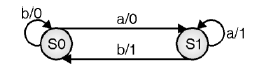
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| **Course: BTech (COMPUTER Sc. And Business Systems)** | **SEM: III** |
| **Subject: Formal Language and Automata Theory** | **Marks: 5** |
| **Date of Exam: 05.09.2020** | **Duration: 1 Hour** |

***Instruction to students:***

**1.** Answer all questions.

**2.** Figures in brackets on the right hand side indicate full marks.

Q.1) Convert the following Mealy machine to a Moore machine. [3 marks]



Q.2). Simulate the output of input sequence ‘abab’ for above Mealy and its equivalent Moore machine [2 marks]