

COE 428 QUIZ 5

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1. What is a State diagram?
 - a. A flow chart used by a robot to perform actions
 - b. A series of bubbles and arrows that get displayed on a screen automatically when a program run.
 - ☒ c. A flow chart in which the flow of a program is shown using arrows between different states represented by circles
 - d. All of the above.
2. State diagrams are the only way of effectively representing state machines
 - ☒ a. False
 - b. True
 - c. It depends on the state machine type.
 - d. None of the above.
3. A Finite State machine is implements with 3 flip flops. What is the maximum number of states it can have
 - ☒ a. 8
 - b. 3
 - c. 2
 - d. 4
4. Which one is true about the Mealy and Moore machine?
 - a. Mealy machine has clock while the Moore Machine does not has a clock input.
 - b. In Mealy machine the Output depends upon the State only.
 - c. In Moore Machine the output is dependent upon the State of the machine as well as the present input.
 - ☒ d. None of the above.
5. The state machine used for COE428 lab5 is a
 - ☒ a. Deterministic Finite State Machine
 - b. Non Deterministic Finite State Machine.
 - c. Both of the above.
 - d. None of the above.