

# **ASSIGNMENT 5**

# **DISCRETE STRUCTURE-07**

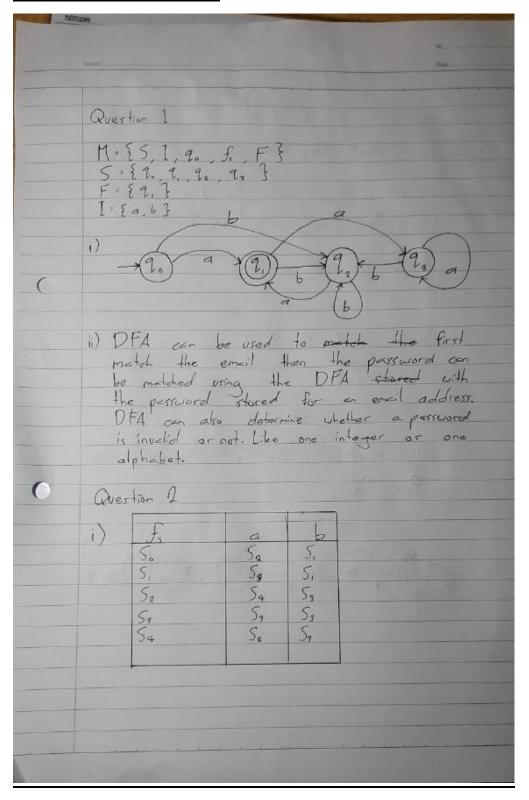
# GROUP-01:

Muhammad Aqila Karindra Daffa (A19EC3010)

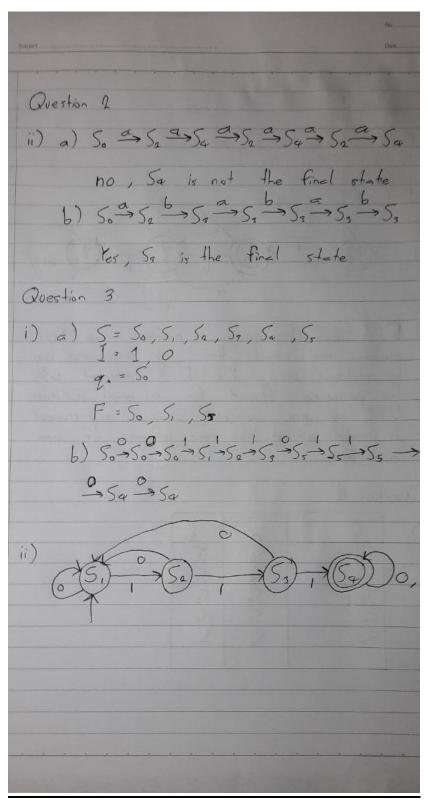
Zhou Chenxing (A19EC4034)

Muhammad Najib bin Jamaludin (A20EC0215)

#### **Question 1 and 2 (Part 1):**



### **Question 2 (Part 2) and 3:**



### **Question 4:**

_	ZHOU CHENKING AIGEC4034
	not enemies  enemies and not Wherebye  enemies and not Wherebye  enemies and not Wherebye
	enemies
	not enemies valnerable enemies  EVADE  EVADE
	enemies and
	The finite state diagram has notes and arcs. The nodes represent the state of hero. The arcs represent the change of state of the hero; that hero can remain in only one of the states at a time.
	The three states are wander, attack ; and evade. In the diagram, the imputs are shown as ares. The hero may 90 from one state to another on some input, which is shown by an are from one.
	State to another. He may also stay in the same state for some inputs, which is shown by a self-loop are.
	Typo

#### **Question 5:**