Theory of Automata Spring-2020 Mid-Semester Assignment Faculty: Muhammad Adil Asst: Prof.

 Attempt 	All	Tasks.
-----------------------------	-----	--------

Q#	1. Keeping in view the Kleene's The	eorem, proof for any language S.	(10)
	$\mathbf{S}^+ = (\mathbf{S}^+)^+$		
Q#	2. How many words does S^* will ha $S = \{ab ba\}$ (Design S^* and then write answer		(10)
Q#3. Fill in the blanks.			(10)
	A dictionary is arranged in		
	+ is called in		
	* is called in		
4.	? is called in	stances.	
5.	A Formal Language is game of	on paper.	
6.	^ is included in cl	osure.	
7.	is a word whose r	everse is equal to itself.	
		which symbols are placed side by side.	
		· · · · · · · · · · · · · · · · · · ·	
	Two words having same symbols in	1	words