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

1. Using RD for Even Numbers prove that **11** is not in Even.   (04)

2. Design an RD for Palindrome and prove that the word "**aba**" is in Palindrome.   (04)

3. Using RD for Polynomials prove that $5x^3+4y^2-5z+12$ is in Polynomial.   (04)

4. Design an RD for Integers and prove that **-4** is in Integers.   (04)

5. Theorem: (Hint: Use RD for AE)   (04)
   No AE can begin or end with the symbol /.