Military College of Signals
CS Department
Automata Theory and Formal Languages

Spring 2011   **BESE 14**

Assignment 04 – Normal Forms
Due date: *27th May, 2011*

Q1: Convert the Grammar to CNF

        S→ ABa

        A→aab

        B→Ac

Q2: Convert the Grammar to GNF

        S→ abSb|aa

Q3: Convert the Grammar to GNF

        S→ aSb|bSa|a|b

Q4: Convert the Grammar to CNF

        S→ AB|aB

        A→aab|ε

        B→bbA

        (remove ε-production first)