

Review 18

Automata & Theory of Computation

Student ID:

Name:

1. Convert the grammar with productions

$$S \rightarrow ABa,$$

$$A \rightarrow aab,$$

$$B \rightarrow Ac$$

to Chomsky normal form.

2. Convert the grammar with the following productions to Greibach normal form.

$$\begin{aligned}(1) \quad & S \rightarrow AB, \\ & A \rightarrow aA|bB|b, \\ & B \rightarrow b\end{aligned}$$

$$(2) \quad S \rightarrow abSb|aa$$