

## Programming Languages

Assignment 1 :-

1) a)  $\langle S \rangle ::= \langle \text{Uppercase} \rangle \langle \text{Sub} \rangle$

$\langle \text{Sub} \rangle ::= \langle \text{Uppercase} \rangle \langle \text{sub} \rangle \mid \langle \text{digit} \rangle \langle \text{sub} \rangle \mid \langle \text{empty} \rangle$

$\langle \text{Uppercase} \rangle ::= A \mid B \mid C \mid D \mid \dots \mid Z$

$\langle \text{digit} \rangle ::= 0 \mid 1 \mid 2 \mid 3 \mid 4 \mid 5$

b)  $\langle S \rangle ::= \text{begin } \langle \text{statements} \rangle \text{ end} :: \langle S \rangle$

$\langle \text{statements} \rangle ::= \langle \text{statement} \rangle ; \mid \langle \text{statement} \rangle ; \langle \text{statements} \rangle$





