

Date: _____

Div: _____

(CFG)

Program-block

block-(stmt-list)

Statement-list → Statement Statement'
| statement

Statement → Declaration

| Assignment

| Conditional

| Loop

| output

Declaration → Datatype IDENTIFIER;

Datatype → ginti

| pointb60

| textb60

| boolb60

Assignment → IDENTIFIER = Expression

Conditional → agar (Expression) Block with a

Block

Loop → jabtek (Expression) Block

Output → nihalo Expression ;

Date:

Day:

Expression \rightarrow Expression + Term

| Expression - Term

| Term

Term \rightarrow Terms & Factors

| Factor

Factor \rightarrow IDENTIFIER

| INTEGER

| FLOAT

| (Expression)

First (Statement);

{igit, point, backslash, IDENTIFIERS
as well as identifiers, numbers
and operators, symbols}

First (Expression)

{ IDENTIFIER, INTEGER, FLOAT, (,)}

Follow (Statement)

{digit, comma, semicolon, naldo, ;}

Follow (Expression)

{,), +, -, *, /}

Date: _____

Day: _____

Parse Tree:

{

ginti \$;

nikalo \$;

}

Program

Block

1

Statement-list

{

Statement

1

Statement

1

Declaration

/

1

\

Output

/

expression

datatype Identifier; nikalo

1

1

term

ginti

\$L

1

factor

1

Identifier

↓