

3. For static semantic analysis in particular (your Project I), arguably the two most important members of a symbol table entry are:

a)

b)

4. For the following Oberon statements, indicate the correct error message using the list of given error messages below (if there is no error, select option A):

Possible Error Messages:

A - No error

B - Incompatible type to binary operator

C - Incompatible type to unary operator

D - Is not assignable (not a modifiable L-value)

E - BOOLEAN required for conditional test

F - Argument not assignable to value parameter

G - Argument not equivalent to VAR parameter

H - Non-addressable argument passed to VAR parameter

```
CONST t = TRUE;
TYPE foo = INTEGER;
TYPE bar = REAL;
TYPE baz = BOOLEAN;
VAR x : foo;
VAR y : bar;
VAR z : baz;
PROCEDURE p(a : REAL; VAR b : REAL);
  (* do nothing *)
END p;
```

```
BEGIN
  z := ~x;           _____
  y := 99;           _____
  p(x DIV 1, y);    _____
  p(x, x);          _____
END.
```

What question would you most like to see on the Midterm?