RAND AFRIKAANS UNIVERSITY

FACULTY OF SCIENCE

COMPUTER SCIENCE
IT00087
Compiler Construction

EXAMINER   **Mr. A. Hardy**

TIME   **MARKS   100**

Please read the following instructions carefully:

1. Write clearly and legibly.

2. This paper consists of 3 pages.

IT00087

Name: _____

Studentnumber: _____

1.1	Grammar	(10)
1.2	Lexical analysis	(5)
1.3	Semantic analysis (type checking etc.)	(5)
1.4	Declaration of variables	(5)
1.5	Sequence of statements	(5)
1.6	Expressions	(5)
1.7	If statements	(5)
1.8	Loops	(5)
1.9	Input/Output	(5)
1.10	Other data types (real, string, boolean)	(5)
1.11	Advanced data types (pointers, arrays, records)	(5)
1.12	Functions/procedures (objects)	(5)
1.13	Local variables and parameters	(5)
1.14	Interpreted / running program	(5)
1.15	Code generation	(8)
1.16	Register allocation (or stack frames etc.)	(8)
1.17	Optimization	(4)
1.18	Error handling (error recovery)	(5)
1.19	Other	(0)
	Total	**(100)**

Student's signature: _____

Marker's signature: _____

End of paper