

Roll No.

Total No. of Pages : 2

BT4/M05

8718

Programming Languages

Paper : CSE-204 E

Time : Three Hours]

[Maximum Marks : 100

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** from each part.

PART-I

1. (i) Why we study the Programming Languages ? 10
- (ii) Explain the Implementation of elementary data type. 10
2. (i) What do you mean by Type Checking and Type Conversion ? 10
- (ii) What do you mean by Syntax and Semantics ? Explain. 10

PART-II

3. What do you mean by structured data objects ? Explain the Specification and Implementation of structured data types. 20
4. (i) What do you mean by Lists ? Explain its specification, syntax and implementation ? 10
- (ii) Explain Generic Subprograms. 10

PART-III

5. (i) Explain Coroutines. 5
- (ii) Explain Exceptions and Exception Handlers. 5
- (iii) Explain the basic mechanism for controlling the sequence between statements. 10
6. Explain Concurrency in detail. 20

PART-IV

7. (i) List the different data elements requiring storage during the program execution. 10

- (ii) Explain the Heap storage management for variable size elements. 10
8. (i) List the difference between a Procedural language and Object based language. 10
- (ii) What do you mean by the Logical Programming Languages ? 10