BT-4/M-21   **44002**

PROGRAMMING LANGUAGE
Paper : CSE-204E

Time : Three Hours]   [Maximum Marks : 100

Note : Attempt *five* questions in all, selecting at least *one* questions from each unit.

UNIT–I

1. (a) Explain compiler and interpreter. (4)

    (b) Explain different data types, its declarations and its intialization in detail. (16)

2. What is type checking and type conversions. And general problem for describing the syntax. (20)

UNIT–II

3. What is structured data objects. Explain the steps to specify and implement structured data type and variable size data structure. (20)

4. What is subprogram, generic subprogram and overloaded subprogram and also explain with the help of example? (20)

UNIT–III

5. Explain the following terms with the help of example.
   (a) Implicit Sequene Control.
   (b) Explicit Sequene Control.
   (c) Sequene Control within Statement. (20)

6. Explain static scope, dynamic scope, local data and block data with the help of example. (20)

UNIT–IV

7. What is difference among procedural language, non-procedural language and object oriented language. Explain this with the help of example. (20)

8. What are different methods to control storage management. Explain heap storage management system and static storage management in detail. (20)