BT-4/M-20　　**34002**
PROGRAMMING LANGUAGE
CSE-204-E

Time : Three Hours]　　　　　[Maximum Marks : 100

Note : Attempt *Five* questions in all, selecting at least one question from each Unit.

Unit I

1. (a) Explain data objects, variable and constant in detail.

(b) Explain compiler and interpreter and its working.

20

2. What do you mean by syntax and semantic ? Write its structure with example.　　**20**

Unit II

3. What is structured data objects and also write the step to implement structured data types ?　　**20**

4. What is type definition and also explain overloaded subprogram and generic subprogram ?　　**20**

Unit III

5. What do you mean by synchronization and semaphore ? Also explain message passing. **20**

6. (a) What is Local Data and Shared Data ? Explain their referencing environment with example. **12**

(b) What are different parameter transmission techniques ? **8**

Unit IV

7. What do you mean by storage management and also explain system controlled storage management ? **20**

8. Explain the following terms : **20**
(a) Procedural language
(b) Object oriented language.