

22/05/2019 (E)

Roll No. ....

Printed Pages : 2

**34002**

**BT-4 / M-19**

**PROGRAMMING LANGUAGE**

**Paper-CSE-204E**

*Time allowed : 3 hours]*

*[Maximum marks : 100*

*Note : Student will be required to attempt five questions in all, at least one question from each unit.*

**Unit-I**

- 1. (a) What are characteristics of good programming language? 8
- (b) Explain specification and implementation of integer and character data type. 12
- 2. What are different formal method of describing syntax and what are different problems in describing syntax ? 20

**Unit-II**

- 3. What do you mean by vector and array and also explain type checking in detail ? 20
- 4. Explain abstraction and encapsulation with the help of appropriate example. 20

**Unit-III**

- 5. What is implicit sequence control and explicit sequence control? Explain sequence control within statement. 20

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6. What is Exception and how the exception is handled in a programming language? Prove it by taking example. 20

**Unit-IV**

7. Explain stack based storage management and heap storage management in detail with example. 20
8. What is difference between procedural, non procedural and functional languages? 20