

Roll No.

2114

**B. E. 4th Semester (I.T.)
Examination – May, 2011**

PROGRAMMING LANGUAGES

Paper : CSE-204-E

Time : Three hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions.

1. (a) Explain attributes of a good programming Language. 10
- (b) What do you mean by Data Type ? Explain primary data types. 10
2. (a) What do you mean by Union ? Differentiate between union and structure. 10

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- (b) What is Garbage Value ? Differentiate between Garbage Value and Dangling Reference. 10
3. (a) What do you mean by subprogram ? Discuss the Implementation of subprograms. 10
- (b) Explain how type checking and type casting takes place in a Programming Language. 10
4. (a) Differentiate between explicit and Implicit sequence control with suitable example. 10
- (b) What is Array ? Discuss its implementation. 10
5. Explain various parameter transmission schemes in detail. 20
6. (a) What are various Run time elements that are required for storage ? 10
- (b) Discuss the Heap storage management in detail. 10
7. (a) Differentiate between C and C++ Language. 10
- (b) Explain the concept of Recursive Subprograms with example. 10

8. Write short notes on :

4 × 5 = 20

- (a) Abstraction
- (b) Dangling Reference
- (c) Sets
- (d) Co-Routines

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