

2114

B.E. 4th Semester (I.T.) Examination, May-2013

PROGRAMMING LANGUAGES

Paper-CSE-204-E

Time allowed : 3 hours]

[Maximum marks : 100

Note : Attempt any five questions.

1. (a) What are the attributes of good programming language? 10
(b) What are the elements of specification of a data object? Give implementation and specification of an elementary data objects. 10
2. (a) Explain Variant Record with implementation of Variant Record. 10
(b) What do you mean by list? Give the storage representation of a list. 10
3. (a) What are Various types of data structure? 10
(b) Differentiate between class and structure with suitable example. 10
4. What do you mean by sequence control? Explain how sequence control is implemented in statement. 20

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5. Differentiate between call by value and call by reference. Explain with the help of example. 20
6. Define storage. What are different storage management techniques ? Explain in detail. 20
7. Differentiate between public protected and private member of a class with example. 20
8. Define the following : 20
 - (a) Friend function
 - (b) Exception handling
 - (c) Abstract data type
 - (d) Syntax and Semantic.