Code: CS4T2

II B.Tech - II Semester – Regular Examinations - JUNE 2015

PRINCIPLES OF PROGRAMMING LANGUAGES (COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours	Marks: 5x14=70
Answer any FIVE questions. All questions carry equal marks	
1 a) Explain the factors that influer programming languages.	nces the design of 7 M
b) Explain about the language ev	aluation criteria. 7 M
2 a) Explain the notation extended	BNF with examples. 7 M
b) Write about attribute grammar	r with examples. 7 M
3 a) Write about pointer and refere	nce types. 7 M
b) What is array type? How it is different from record type	
and write about Implementation	~ ~
4 a) Write about operator evaluation	on order in detail? 7 M
b) Write about 2-way and n-way	selection statements. 7 M

5	a) Write about implementation of parameter passing meth	ods.
		6 M
	b) Write about co-routines.	4 M
	c) Write about design issues for functions.	4 M
6	a) Define Data Abstraction? Write about abstraction data in detail.	types 7 M
	b) Define thread? explain about threads in java language.	. 7 M
7	a) Explain the principles of logical programming.	7 M
	b) Define exception and exception handling? How the exceptions are handled in C++ programming language with suitable example.	7 M
8	a) Write about list functions with examples.	6 M
	b) Write about ML functional programming language.	4 M
	c) Write about Haskel functional programming language.	4 M