B.Tech. Degree III Semester Examination, November 2008 CS 305 PRINCIPLES OF PROGRAMMING LANGUAGES

(2006 Scheme)

Time: 3 Hours	Maximum Marks: 10	0
•	PART A (Answer ALL Questions) (All questions carry FIVE Marks) (8 x 5 = 40)	
I a) b) c) d) e) f) g)	Write a note on ambiguous grammer? Describe the concept of denotational Semantics? Write a note on Named Constants? What is meant by Referencing environment? Write general characteristics of small talk? Write the use of 'Finally' clause in Java exception handling Draw the internal representation of a LISP LIST	
h)	(A(BC)D(E(FG))) Write a note on clausal form?	
,	PART B	
II	Write short note on (i) Object oriented program (ii) Logical program (iii) Functional program	15)
Ш	Write short note on (i) Attribute grammar (ii) Context Free grammar (iii) Operational Semantics	15)
IV	Categorise and explain the storage bindings of variables according to their Lifetime? (1	5)
V	*	[15]
VI	Explain various design issues for object Oriented Languages? OR	(15)
VII	Write a note on following terms (i) Inheritance (ii) Dynamic binding (iii) Encapsulation (5 x 3 =	15)
VIII a) b)		(8) (7)
IX a) b)	Describe the inferencing process of prolog?	(7) (8)