Roll No Total Pag		ages: 2
	7-3/D-21 4	3205
	-3/D-21	
PRINCIPLES OF PROPERT PROPERT PC-	GRAMMING LANGUAGE CS-CYS - 209A	3
Time: Three Hours]	[Maximum Ma	rks : 75
Note: Attempt five question	s picking at least one questi	on from
each unit.		
P.	NIT-I	<u>e</u>
1. (a) Explain lexical an syntax.	d syntactical rules for de	scribing (9)
	at? What is initialization?	Explain (6)'
declarations.	en compiler and interpreter	3.01
(b) What is type? Wh and dynamic type	at is type checking? Expla checking.	in static (9)
T	NIT-II	
3. (a) Discuss the concep	of vectors, and arrays — a	ccessing
and indexing.		(8)
(b) Explain different c	apabilities of file handling.	(7)

(a) Explain the concept of abstraction, encapsulation,

(b) Describe variable size data structures with examples.

inheritance, and information hiding.

4.

(8)

(7)

5.	(a)	What are exceptions? What are exception handlers
		How do they work? (8)
	(b)	What is concurrency? Compare sequence control and
		subprogram level concurrency. (7)
6.	(a)	Explain the concept of synchronization and mechanisms
		of doing it. (8)
	(b)	Describe the concept of static and dynamic scope. Wha
		is local data and local referencing? (7)
		UNIT-IV
		OIVII—IV
7.	(a)	What is heap based storage management? (7)
	(b)	What are the OOP features of C++ programming
		language? (8)
8.	(a)	A 1 9
	(-)	management? Differentiate between
		programmer and system controlled storage management?
	(b)	(8)
	(0)	What are the features of functional and of logic
		programming languages? (7)