(i)	Prin	nted Pages: 2	1	Roll No		*****			
(ii)	Que	estions :9	Sub	Code:	0	9	4	1	
			Exam.	Code:	0	0	3	0	
Bachelor of Computer Applications 4th Semester									
			(2053)						
		DATABASE	MANAGEN	MENT SYS	STEN	I			
		P	aper-BCA-1	6-405					
Time Allowed: Three Hours] [Maximum Marks: 65									
Not	e :-	- Attempt five Section. Sec	e questions, section-A is com		questi	ion fi	rom (each	
			SECTION-	-A					
			(Compulso	ry)					
1. Write in short:									
	(i)	Define Commi	k.	3					
	(ii)	Data Independ					3		
(iii) What are Cursors? Write their types.						3			
	(iv)	Null values.						2	
	(v)	Explain Functi	onal dependen	cies.				2	
			SECTION-	—В	-				
2.	(a)	(a) Write characteristics of Database approach. Differential between File system and DBMS.					iate 6		
	(b)	Explain the arc components.	hitecture of DB	MS system a	longv	with it	s var	ious 7	

3.	What are ER diagrams? Why are they required? Design an Diagram on Hospital. Make required assumptions.					
		SECTION—C				
4.	(a)	Differentiate between Network and Hierarchical model.	6			
	(b)	What is the use of Relational Algebra? Explain its ba operations.	sic 7			
5.	(a)	What is Normalization? Explain 1NF, 2NF and 3NF.	7			
	(b)	What are 12 Codd's Rule ?	6			
		SECTION—D				
6.	(a)	What are Tables? Explain various table related command	ds.			
	(b)	What are privileges? How privileges are managed by Graand Revoke command? Explain with example.	ant 7			
7.	(a)	What is query? Explain the complete syntax for performi a query in SQL.	ng			
	(b)	What are functions? Explain aggregate functions and grofunctions. Give examples.	up 7			
		SECTION—E				
8.	(a)	Explain various types of set operators with help of example	le.			
	(b)	Explain the block structure of PL/SQL. Give an example				
9.	(a)	What are database Triggers? Explain different types of trigger with example of each.	-			
	(b)	How is exception handling performed in PL/SQL Explain.	-			
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		5500)			