(1)	P	rinted Pages: 2 Roll No	•		
(ii)	Ç	Questions :9 Sub. Code: 0 9 4 1			
		Exam. Code: 0 0 3 0			
		Bachelor of Computer Applications 4th Semester			
		(2053)			
		DATABASE MANAGEMENT SYSTEM			
		Paper-BCA-16-405			
Tin	ie A	llowed: Three Hours] [Maximum Marks: 65	5		
Not	e :-	 Attempt five questions, selecting one question from each Section. Section-A is compulsory. 	1		
		SECTION—A			
		(Compulsory)			
1. Write in short:					
	(i)	Define Commit and RollBack.	,		
4	(ii)	Data Independence.	3		
	(iii)	What are Cursors? Write their types.	3		
	(iv)	Null values.)		
	(v)	Explain Functional dependencies 2)		
		SECTION—B			
2.	(a)	Write characteristics of Database approach. Differentiate between File system and DBMS.			
	(b)	Explain the architecture of DBMS system along with its various components.	;		
0941	/PT	-26663			

3.		t are ER diagrams? Why are they required? Design an ER gram 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 basic operations.
5.	(a)	What is Normalization? Explain 1NF, 2NF and 3NF. 7
	(b)	What are 12 Codd's Rule?
*		SECTION—D
6.	(a)	What are Tables? Explain various table related commands.
	(b)	What are privileges? How privileges are managed by Grant and Revoke command? Explain with example. 7
7.	(a)	What is query? Explain the complete syntax for performing a query in SQL.
	(b)	What are functions? Explain aggregate functions and group functions. Give examples.
•		SECTION—E
8.	(a)	Explain various types of set operators with help of example.
•,	(b)	Explain the block structure of PL/SQL. Give an example.
9.	(a)	What are database Triggers? Explain different types of triggers with example of each.
	(b)	How is exception handling performed in PL/SQL? Explain.
125		