(i)	Pr	inted Pages: 2		Roll No	oi		
(ii)	Q	uestions : 9		Code :	1 7 9 4 0 0 3	_	
	В	achelor of Con	iputer A (205		4th Semester		
		DATABASE Pa		GEMENT S CA-16-405	SYSTEM		
Tin	ne Al	llowed : Three	Hours]	[Ma	ximum Marks	: 65	
Not	te :-				empt ONE quest		
			SECTIO	N—A			
1.	Discuss characteristics of Database approach. What are its advantages over File Systems?						
2.	(a)	Explain DBMS of data indepe		ture in deta	il along with con	cept	
	(b)	What are ER- university data		Design ar	n ER-diagram f	or a	
			SECTIO	N—B			
3.	What are data models? Discuss various types of data models in detail.						
4.	(a)	Explain Relatio	nal Algeb	ra along wit	th its operations.	7	
	(b)	Discuss Codd'	s rules fo	or RDBMS		6	

SECTION—C

5.	(a)	Discuss DDL commands in SQL along with its syn and examples.	ita:
	(b)	What are aggregate functions? Also discuss Date functions with examples.	on 6
6.		w to query a database? Discuss its complete syntax alon examples.	ong
		SECTION—D	
7.	(a)	What are Set Operations in SQL ? Explain we examples.	itl 6
	(b)	Discuss conditional control statements in PL/SQL. We a program to find greatest of three numbers.	rite
8.	(a)	What are triggers ? Explain its types with examples.	7
	(b)	How exceptions are handled in PL/SQL ? Explain by example.	ar 6
		(Compulsory Question)	
9.	(a)	Compare Truncate command with Delete command.	2
	(b)	Functional Dependencies.	2
	(c)	Views.	2
	(d)	System and Object Privileges.	2
	(e)	Implicit/Explicit cursors.	2
	(f)	Normalisation.	3