First Year B.C.A. (Semester - II) Examination Paper - 15BCA111 Relational DBMS

Time: Three hours] [Full Marks - 60 **N.B.:** i) All questions carry equal marks ii) Question No. 1 is compulsory iii) Due credit will be given to neatness & adequate dimensions. iv) Assume suitable data wherever necessary. v) Use Blue/Black ink/refill only for writing the answer book. O. 1 Choose correct alternatives. 6 a) Using which language user can request information from a database. i) Query ii) Relational iii) Structural iv) Compiler b) A in a table represents a relationship among a set of values. i) Column ii) Key iii) Row iv) Entry c) Which of the following language is used to specify database schema. i) Data management language ii) Data manupulation language iii) Data development language iv) Data definition language ignore null values d) All aggregate function except in their input collection. i) Count (Column Name) ii) Count (*) iii) Avg iv) Sum

	e)	Which of the following is not true about the exception handling section of a PL/S QL Block.	n	Q.8 a)	Explain the following Numeric function with meaning syntax, example and result	,
		i) This section start with the exception keyword			i) FLOOR ii) MOD	Ī
		ii) It is a mandatory section			iii) SQRT iv) ABS	
		iii) It contain exception			v) COS	
		iv) It handle errors of program		b)		
		r,		5)	Explain with meaning, syntax, example and result.	e
Q.2	a)	Explain the Traditional file based system in detail.	5			
	b)	Explain Network model in database model with its			OR	
	-)	advantages and disadvantages.	6			
				Q.9 a)	Explain the following group function with meaning,	
		OR		Q. 3 W)	syntax, example and result.	4
					i) MAX ii) MIN iii) COUNT	Ī
Q.3	a)	What do you understand by DBA? Explain its role	6		iv) AVG v) SUM	
	b)	Explain various components of DBMS.	5	b)	Explain any six charater function. With meaning,	
	,	1		- /	syntax, example, result.	e
Q. 4	a)	Explain Relational Algebra in detail.	6		5 J. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	`
	b)	Explain BCNF Normalization in detail.	5	Q.10a)	Explain constant and variables in PL/SQL.	6
	- /	•		b)	Explain the Block structure of PL/SQL.	5
		OR			•	
Q.5	a)	Explain entity relationship model in detail.	5		OR	
	b)	Explain the following terms.	6	O 11 a)	Explain the control structure of PL/SQL.	4
		i) 1NF ii) 2NF iii) 3NF		- /	What is Cursor? Explain types of cursor.	í
				U)	what is Cursor! Explain types of cursor.	•
Q.6	a)	Explain the basic structure of SQL Query.	5			
	b)	Explain view with various types of operation on				
		view.	6			
		OR				
Q. 7	a)	Explain LIKE, BETWEE Noperators in SQL.	5			
	b)	Explain group by clause and having claus in detail				
		with proper example.	6		****	