Code: 303401

## BCA 4th Semester Exam., 2015

## RELATIONAL DATABASE MANAGEMENT SYSTEM

Time: 3 hours

Full Marks: 60

## Instructions:

- (i) The marks are indicated in the right-hand margin.
- (ii) There are SEVEN questions in this paper.
- (iii) Attempt FIVE questions in all.
- (iv) Question Nos. 1 & 2 are compulsory

Write notes on any six of the following :

2×6=12

- (a) Database
- (b) Metadata
- (c) OODBMS
- (et) Primary Key
- HET JDBC
- (f) Entity Sets
- 197 Relational Algebra
- A) Normal Form
- (i) Nested Queries

2.	Attempt any three questions from the following: $4\times3=12$		
	Jest .	Describe the three levels of data abstraction.	12
	(b)	What are relation schema and relation?	
	(0)	What is functional dependency?	
	(d)	What do you mean by correlated subquery?	
	(e)	List the various cases where use of a NULL value would be appropriate.	
3.		plain the various components of database nagement system.	12
4.		w is an ER-Diagram reduced to table?	12
5.	from are	what sense does relational calculus differ m relational algebra, and in what sense they similar? Explain with suitable ample.	12
6.		at is BCNF? How is it different from third? Explain.	12
7.	val	fine the terms—entity, attribute, attribute ue, relationship instance, composite ribute, multivalued attribute, derived ribute, complex attribute, key attribute	

and value set (domain).

12