END TERM EXAMINATION

SECOND SEMESTER [BCA] MAY 2018

Paper	Code: BCA 110	Subject: Database Management System	
	: 3 Hours	Maximum Marks :7	5
Note: Attempt any five questions including Q. No lwhich is compulsory.			
Q1.	b) Explain the role of E-c) How can the two tabled) What problems are en	(5x5=25) architecture of DBMS. Compare it with file system. R model in database design. es be joined using left outer and right outer joins? accountered if data is not stored in normalized table? ociated with two phase locking protocol.	5)
Q2.		es and disadvantages of DBMS. (6.5 ase approach better than earlier methods? (6.5	
Q3.	doctors and a set of and examinations a patients are admitted	agram for a hospital management system with a set of patients. With each patient, a series of various tests re conducted. On the basis of preliminary report to a particular specialty ward. (6.5)	s t i)
Q4.	b) Related with database	es among external, internal and conceptual schemas. (4 e, explain the following terms: (8 Concurrency iii) Data independence	
Q5.	Consider the following relational schema: (2.5x5=12.5 Emp (empno, ename, job, sal, comm., hiredate, deptno) Dept (deptno, dname, location)		i)
	 a) Find the names of em b) Increase the salary by c) Display the details employee 'SMITH'. d) Create the table Dept 	of employees of each deptno and display those deptno	
Q6.	Differentiate between: a) Primary Key and Fore b) View and Indexes c) Serializable and non: d) 2NF and 3CNF e) Data and Metadata		4
Q7.	a) Explain the CODD's rb) Discuss the timestam	rules of RDBMS. ap ordering techniques for concurrency control. (6.5)	•
Q8.	 a) Discuss the different database environment b) What is checkpoint database crashes. 	P Explain the different recovery techniques wher (7.5)	i) n
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