BACHELOR OF COMPUTER APPLICATION II YEAR EXAMINATION, 2010

Paper - BCAD-304

is true then, attribute set y is said to be ____

P.T.O.

attribute x.

6. Normalization is ______

7. Ob wi	ject oriented	databases a	are designe	ed to work well
8. MS	S-Access is _	ba	sed applica	ation.
9. Wh		ata values a	re stored in	multiple copies
10. An from	is n a database	used to qui project.	ckly retrie	ve information
		SECTION	D	
				$(6 \times 5 = 30)$
11. Wha	nt do you un acteristics.	derstand by	y DBMS	Describe its
12. Wha	t are the diff	erent data r consider b	nodels use est and wh	d in DBMS ?
13. Wha the h	t is the need o	f Normaliza mple.	ation ? Exp	lain 2NF with
14. What	is the impor	tance of SQ	L in Datab	ases ?
				ng a DBMS ?
	ss the Three-			
				d Database.
18. Discu		types of Da		on and Data
DL-32		2		contd.

SECTION - C $(3 \times 10 = 30)$

Differentiate the following:

- 19. 1NF vs. 2NF
- 20. E-R model vs. Hierarchical Model,
- 21. Write short notes on any two of the following:
 - a) Data abstraction
 - b) Functional Dependencies
 - c) Database application with MS-Access.
- Discuss the different types of an omalies in Database with suitable examples.
- 23. Discuss the different types of constraints occurring in DBMS. What is structural constraints and what are its types?
- Consider the following relational database for the company and answer the following queries in relational algebra.

EMP(EMPNo, ENAME, BDATE, SEX, DNo.)
DEPT(DEPTNo, DNAME)

- PROJECT (PNUMBER, PNAME)
- a) List all the employees whose BDATE is more than 1975
- Retrieve the name of Employee who works in department 2.