Seat no.



Shivaji University, Kolhapur

Kamala College, Kolhapur

B.C.A (Part -I) (Semester - II) (CBCS) Examination

June - 2022

Database Management System (DBMS)

Sub. Code

80868

Day and Date

: Tuesday, 07 - 06 - 2022

Total Marks: 70

Time: 10:30am to 1:30pm

Instruction:

- Que.1 and Que.6 are compulsory and attempt any three questions from Que. No. 2 to Que. No. 5
- Figures to the right indicate marks.

Q.1 A. Multiple Choice Question

[10]

- O. 1 Who invented Relational Model?
- 1) Dr. E.F.Codd
- 2) Bjarne Stroustrup
- 3) James Gosling
- 4) Dennis Ritchie
- Q. 2 Which schema pertains to the actual storage of data?
- Physical 1) Schema
- 2) Logical Schema
- 3) Conceptual Schema
- 4) None of these
- Q. 3 Which of the following are TCL commands?
 - 1) UPDATE and
- 2) COMMIT and
- 3) GRANT and
- 4) SELECT and **INSERT**

TRUNCATE

ROLLBACK

- **REVOKE**
- Q. 4 When one record in a table can be associated with one or more records in another table then there is which type of cardinality?
- 1) Many-to-One
- 2) One-to-One
- 3) Many-to-Many
- 4) One-to-Many
- 0.5 The phenomenon of changing data at one layer without affecting data at another layer is known as -----.
 - 1) Data Abstraction
- 2) Database Schema
- 3) Data Independence
- 4) Database

	Q.6 If we have no clause, then which			ORDER BY	
	1) DESC	2) ASC	3) There is no default value	4) AESC	
	Q.7 Which data dictionary is Self Updating?			3 1894)/18	
	Passive Data Dictionary	2) Active Data Dictionary	3) All of these	4) None of these	911
	Q.8 If an entity de what?	pends on another e	entity then the entity		
	1) Relationship	2) Entity	3) Weak Entity	4) Attribute	CILL ST
	Q.9 Which databa	se model organizes	s data into a tree-lik	ce-structure ?	
	 Hierarchical Model 	2) Network Model	3) Relational Model	4) Object Oriented Model	•
	Q.10 Which of the SELECT * FROM		-		
	1) Employee	Salary, dept_id	3) All the field of emp table	4) Salary	
Q.1 B. Sh	ort Answer Question(Any two out of thre	ee)	[10]	
	Functions of DBMS Client-Server Databa Keys in DBMS	se System			
Q.2 Explain normalization with a suitable example.				[10]	_
Q.3 Explain commands in SQL.				[10]	0
Q.4 Explain centralized and distributed database systems.				[10]	
Q.5 Explain Entity Relationship Model in detail.				[10]	
Q.6 Write notes on (Any 4 out of 6)				[20]	
	A. Explain DFD a	and its symbols		antive	
B. SQL Clauses (Where clause, order by clause)				our Krainiveer P	
	C. Absolute and F	Kolp	1906		
	D. ACID properties of DBMS			B LIBRARY	lada
	E. Data Abstraction			LIBRARY	P
	F. 1 st NF and 2 nd	NF with an exampl	e	elemen * Visial	/
