

MH-P-1040 Seat No. _____

M. C. A. (Sem. I) (CBCS) Examination January - 2018

P-1040: Database Concepts and Tools

Tin	ne : 2		Hours] [Total Mark	s : 70
Ins	truct	cion	: Write answers of all the questions in main a sheet.	nswer
1	(a)	Att	tempt the following objective questions : What is Data?	4
		` '	What is super key?	
		(2)	- v	
		(4)		
	(b)	` '	tempt any one of the following:	2
	(0)	(1)		_
		(2)	Explain logical and physical datamodel.	
	(c)	Att	tempt any one of the following:	3
		(1)	What is attribute? List out types of attribute	es.
		(2)	Explain types of entities.	
	(d)	Att	tempt any one of the following:	5
		(1)	What is DBMS? Explain various components of DBMS.	of
		(2)	Explain entity integrity constraints and referential integrity constraints.	
2	(a)	Att	tempt the following objective questions:	4
		(1)	is defined as the set of all unique values permitted for an attribute.	
		(2)	What is candidate key?	
		(3)	What is attribute?	
		(4)	What is relational structure?	
MH-P-1040]		40]	1 [Cc	ontd

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		(2)	Explain subquery with example.	
		(1)	What is join? Explain Types of join.	
	(d)	Atte	empt any one of the following:	5
		` /	constraint with example.	
		(2)	What is constraint? Explain foreign key	
			(iii) TRUNC()	
			(ii) FLOOR()	
		(1)	(i) LENGTH()	
	(0)	(1)	Explain following functions:	J
	(c)	` ′	empt any one of the following:	3
		(1) (2)	Explain Control file. Explain PMON and SMON process.	
	(b)		empt any one of the following:	2
	<i>(</i> 1.)	(4)	Inner join is also known as	2
		(3)	Full form of DDL.	
		(2)	Define data blocks.	
		(1)	What is password file?	
3	(a)	Atte	empt the following objective questions:	4
		(2)	Explain anomalies in a database.	
		(1)	What is Normalization? Explain 1NF, 2NF as 3NF.	າα
	(d)		empt any one of the following:	5
			(Functional Dependency).	<u>.</u>
		(2)	Explain concept of closure set of FD	
		` /	process.	
	(-)	(1)	What is database? Explain database design	
	(c)	. ,	empt any one of the following:	3
		(2)	Explain BCNF.	
	(D)	(1)	Explain 4NF in multi value dependency.	4
	(b)	Atte	empt any one of the following:	2

4	(a)	Attempt the following objective questions:	4
		(1) Exclusive locks are placed on a resources whenever operations are performed.	
		(2) Which exception raised when a select statement returns zero rows?	
		(3) What is exception?	
		(4) What is lock?	
	(b)	Attempt any one of the following:	
		(1) Explain datatypes for PL/SQL	
		(2) How to declare variable in PL/SQL block?	
	(c)	Attempt any one of the following:	
		(1) Explain parameterized cursor.	
		(2) Explain implicit locking.	
	(d)	Attempt any one of the following:	
		(1) Explain concept of Explicit cursor.	
		(2) Discuss advantages of PL/SQL. Also explain	
		Generic PL/SQL block.	
5	(a)	Attempt the following objective questions:	4
		(1) What is function?	
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		(2) What is package?	
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