



**BBE-MCA1050**

Seat No. \_\_\_\_\_

**M. C. A. (Sem. I) (CBCS) Examination**

**July - 2021**

**Database Concepts & Tools**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

**Instruction** : Attempt any five questions.

- 1 (A) Attempt following Questions : 4
- (1) DBMS stands for \_\_\_\_\_
  - (2) Full form of ER.
  - (3) Key to represent the relationship between tables is called \_\_\_\_\_
  - (4) A Database Management System is a type of \_\_\_\_\_ software.
- (B) What is data? 2
- (C) Explain Logical Data model. 3
- (D) Explain candidate key. 5
- 2 (A) Attempt following Questions : 4
- (1) What is Super Key?
  - (2) In general, a file is basically a collection of all related \_\_\_\_\_
  - (3) The RDBMS terminology for a row is \_\_\_\_\_
  - (4) In an E-R diagram an entity set is represented by a \_\_\_\_\_
- (B) Explain any 1 DBMS components. 2
- (C) Explain architecture of DBMS. 3
- (D) Explain type of entities. 5

<b>3</b>	(A) Attempt following Questions :	<b>4</b>
	(1) Full Form of BCNF.	
	(2) A set of possible data values is _____	
	(3) Full form of RDBMS.	
	(4) What is Normalization?	
	(B) What is Domain?	<b>2</b>
	(C) Explain Normalization.	<b>3</b>
	(D) Explain Anomalies in Database with detail.	<b>5</b>
<b>4</b>	(A) Attempt following Questions :	<b>4</b>
	(1) Full form of FD.	
	(2) Full form of PJNF.	
	(3) Full form of ANSI.	
	(4) Full form of T-SQL.	
	(B) What is Database?	<b>2</b>
	(C) Explain Canonical cover.	<b>3</b>
	(D) Explain BCNF.	<b>5</b>
<b>5</b>	(A) Attempt following Questions :	<b>4</b>
	(1) In SQL the spaces at the end of the string are removed by _____ function.	
	(2) Full form of DDL.	
	(3) Full form of TPL.	
	(4) Full form of DML.	
	(B) What is Import & Export?	<b>2</b>
	(C) Explain ORACLE Data type.	<b>3</b>
	(D) Explain join with detail.	<b>5</b>

- 6 (A) Attempt following Questions : 4
- (1) The default data type for a sequence object is \_\_\_\_\_. (int/Bigint)
  - (2) Full form of DQL.
  - (3) Full form of DCL.
  - (4) Full form Of SQL.
- (B) What is Index? 2
- (C) Explain Database Backup. 3
- (D) Explain SUBQUERIES with detail. 5
- 7 (A) Attempt following Questions : 4
- (1) Subprograms are named PL/SQL blocks that can be called with a set of parameters. (True/Falsn)
  - (2) PL/SQL subprograms, unlike anonymous blocks, are compiled each time they are executed. (True/False)
  - (3) In PL/SQL, a warning or error condition is called an exception. (Yes/No)
  - (4) In the PL/SQL \_\_\_\_\_ section you declare an explicit cursor in the PL/ SQL language.
- (B) Explain LOCK. 2
- (C) Explain %found with example. 3
- (D) Explain implicit and explicit cursor with 1 example. 5
- 8 (A) Attempt following Questions : 4
- (1) PL/SQL \_\_\_\_\_ Provide a way for select multiple rows of data from the database.
  - (2) \_\_\_\_\_ types of literals are available in PL/SQL.
  - (3) Oracle predefined errors are not associated with specific error codes. (True/False)
  - (4) PL/SQL stands for \_\_\_\_\_

- (B) Explain Exception. 2
- (C) Explain advantages of PL/SQL. 3
- (D) Explain cursor with loop. 5
- 9** (A) Attempt following Questions : 4
- (1) Which of the following is used to declare a record? (%rowtype / %type)
  - (2) The values of any IN OUT parameters are copied before the subprogram is executed. (Yes/No)
  - (3) Full form of DBA.
  - (4) Which grant to provide new User with all credential?
- (B) What is GRANT Command? 2
- (C) What is procedure? Explain with example. 3
- (D) Explain trigger. 5
- 10** (A) Attempt following Questions : 4
- (1) What is role in Database?
  - (2) What is revoke command?
  - (3) Is it possible to define a NOT NULL field in a record? (Yes/No)
  - (4) PL/SQL keywords are not case-sensitive (True/False)
- (B) What is package? 2
- (C) Explain CREATE USER statement with example. 3
- (D) Explain package. 5