

BINGHAM UNIVERSITY, KARU
DEPARTMENT OF COMPUTER SCIENCE
2021/2022 FIRST SEMESTER EXAMINATION

COURSE CODE: CMP 327

COURSE TITLE: DATA MANAGEMENT

LEVEL: 300 LEVEL

INSTRUCTION: ATTEMPT ALL QUESTIONS IN SECTION A AND ANY OTHER ^{ONE} IN SECTION B

DURATION: 3 HOURS

SECTION A (22 Marks, 1 mark each)

1. A Comprehensive collection of records organized for easy access is known as a _____
2. The DBA attempted to remove user goodness from the database by executing Drop user goodness; Failed, _____ and _____ could be responsible for this Failure.
Write down the SQL command for performing the Following database operations.
3. Remove a user from a database _____
4. Remove a record from a database table in database _____
5. Add a new record to a table in a database _____
6. Make a database operation permanent _____
7. Modify record _____
8. Modify a table structure _____
9. Modify the database structure _____
10. Undo a database transaction _____
11. Creating and managing database users is a primary responsibility of the _____ in an Organization.
12. _____ is responsible for establishing procedure for backup and recovery of data in a database environment.
13. _____, _____, _____ are example of database objects.
14. _____, _____ and _____ are examples of data Definition Language.
15. _____ is software that allows creation, definition manipulation of database allowing users to store, process and analyze data easily.

16. _____ is a type of data model that determines the logical structure of a database and fundamentally determines in which manner data can be stored, organized and manipulated.
17. In a database, something about which record is kept is generally referred to as an _____

Study the table below and use it to answer Question 18 and 19. The table is called tblcontact

BRANCHES	STREET	CITY	POST CODE
B005	22 Dear Rd	London	SW14EH
B007	16 Argll Street	Ahadeen	ABZ384
B003	163 Main Street	Glasgow	G11 9QX
B004	32 Manse Road	Aristal	BS99 1NZ
B002	56 cover Rd	London	NN106CN

18. The cardinality of the relation is _____
19. The degree is _____
20. The process of monitoring and recording selected database user's activity is known as _____
21. Manipulating people into releasing confidential information is called _____
22. Mrs. Badmos Manipulated a record in a database table to perpetrate a fraud. The DBA traced the act to her. What feature of the DBMS enabled the DBA to discover the culprit? _____

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DEPARTMENT OF COMPUTER SCIENCE
FIRST SEMESTER EXAMINATION, 2019/2020 SESSION

COURSE TITLE: DATABASE MANAGEMENT

COURSE CODE: CMP 327 COURSE CREDIT UNITS: 3

TIME ALLOWED: 2HRS

Section 1 (Answer all questions)

1. a. What is database management?
b. Mention three (3) types of SQL commands with two (2) examples each.
c. List 5 problems of traditional file system.
d. Write an SQL statement to create a table "students" with the following fields:
 - i. student_id
 - ii. full_name
 - iii. matric_no
 - iv. department
 - v. faculty
 - vi. level

NB: specify the data types.

Section B (Answer any 2 questions)

2. List and explain 5 reasons why we need a database
3. a. What is the difference between a database and a database management system (DBMS).
b. What is a Relational Database Management System (DBMS)?
4. List and explain four (4) types of database relationships.