Candidate's Index Number:

Signature:

UNIVERSITY OF CAPE COAST
COLLEGE OF EDUCATION STUDIES
SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH
INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION
FOUR-YEAR BACHELOR OF EDUCATION (B.ED)
SECOND YEAR, FIRST SEMESTER MID SEMESTER QUIZ, MAY 2022

MAY 12, 2022   DATABASES   1:00 PM – 1:30 PM

Answer ALL the questions.
[20 MARKS]

For items 1 to 20, each stem is followed by four options lettered A to D. Read each item carefully and circle the letter of the correct or best option.

1. Which of the following is **not** a type of database design?
   A. Conceptual.
   B. Dimensional.
   C. Logical.
   D. Physical.

2. An example of database query language used for storing and managing data in Relational Database Management Systems is ....
   A. dBase.
   B. FoxPro.
   C. Microsoft Access.
   D. MySQL.

3. Databases are vulnerable (susceptible) to threats because **most** of them are used by applications that ....
   A. are complex.
   B. are offline.
   C. are online.
   D. do not have authentication controls.

4. What do you understand by one-to-many relationship between Teacher and Class?
   A. Many classes may have many teachers.
   B. Many teachers may have many classes.
   C. One class may have many teachers.
   D. One teacher can have many classes.

5. In which of the following can many entity instances of **one** type be related to many entity instances of another type? .... relationship.
   A. Composite
   B. Many-to-Many
   C. One-to-Many
   D. One-to-One

6. If a department has many employees, it is described as .... relationship.
   A. many-to- many (m:m)
   B. many-to-one (m:1)
   C. one-to-many (1:m)
   D. one-to-one (1:1)

7. One of the following is **not** an example of Database Management System (DMBS).
   A. dbase.
   B. Microsoft Word.
   C. Oracle.
   D. SQL Server.

8. A shared collection of logically related data, and a description of this data, designed to meet the information needs of an organization is ....
   A. Database.
   B. DBMS.
   C. Information.
   D. Microsoft Access.

9. The **most** used type of Database Management System (DBMS) is ....
   A. hierarchical.
   B. network.
   C. object-oriented.
   D. relational.

10. The person who is responsible for the management and administering of DBMS is?
   A. Data Administrator.
   B. Database Administrator.
   C. Database Analyst.
   D. System Analyst.

11. Which of the following SQL command is used to extract data from a database?
   A. Alter.
   B. Create.
   C. Extract.
   D. Select.

12. Which of the following is **not** an activity performed during the database system development?
   A. Database planning.
   B. Database teaching.
   C. Implementation.
   D. System definition.

13. One of the following is **not** used to measure database quality.
   A. Accuracy.
   B. Completeness.
   C. Timeliness.
   D. Volume.

14. The first step performed during database system development is ....
   A. database planning.
   B. definition of a problem.
   C. establishing the users' requirement.
   D. implementation.

15. An example of database query language used for storing and managing data in relational database management systems is ....
   A. dBase.
   B. FoxPro.
   C. Microsoft Access.
   D. MySQL.

16. One of the following **cannot** be used as a primary key of a database table.
   A. Bank Accounts Number.
   B. Ghana Card Number.
   C. Name.
   D. Student Registration Number.

17. One disadvantage of DBMS is its ....
   A. ability to share data.
   B. complexity.
   C. ease of use.
   D. sharing of data.

18. A visual representation of data that describe how data is related to each other is called ....
   A. data flow diagram.
   B. entity relation diagram.
   C. flowchart.
   D. structure chart.

19. One of the following **uniquely** identifies a data item.
   A. Gender of a student.
   B. Student's hall of residence.
   C. Student's index number.
   D. Student's name.

20. The accuracy and consistency of data stored in a database is called data ....
   A. concise.
   B. integrity.
   C. reliability.
   D. timeliness.