

**B.Com. DEGREE (C.B.C.S.S.) EXAMINATION, JULY 2018****Sixth Semester****DATABASE MANAGEMENT SYSTEM FOR BUSINESS**

(For the optional stream Computer Application of Model I and Model II B.Com and UGC Sponsored B.Com. Computer Application)

[Prior to 2013 Admissions]

Time : Three Hours

Maximum Weight : 25

**Section A**

Answer all questions.

This section contains **four** bunches of **four** questions each.

Each bunch of four questions carries a weight of 1.

I. Choose the correct answer from the choices given :

1. In Hierarchical database, a record that has subsidiary records is called the \_\_\_\_\_.

- (a) Child. (b) Leaf.  
(c) Parent. (d) Segment.

2. The number of entities associated in relationship is called as it's \_\_\_\_\_.

- (a) Cardinality. (b) Degree.  
(c) Tuples. (d) Entity.

3. The feature that database allows to access only certain records in database is :

- (a) Forms. (b) Reports.  
(c) Queries. (d) Tables.

4. Which of the following field type can store maximum data ?

- (a) Yes/No fields. (b) Date/Time fields.  
(c) Text fields. (d) Memo fields.

II. Fill in the blanks :

5. The relational model is based on the concept that data is organized and stored in two-dimensional tables called fields.

6. Sequential file organization is suitable for \_\_\_\_\_ processing.

7. DBMS is a collection of \_\_\_\_\_ that enables user to create and maintain a database.

8. In an ER model, \_\_\_\_\_ is described in the database by storing its data.

III. State whether the following statements are True or False :

9. Direct file organization allows data to be retrieved quickly in a random manner.
10. When you save a query, you are not saving the result of the query, but the query design.
11. Database manager is the interface between the low level data, application programs and queries.
12. A data dictionary is a repository that manages memory.

IV. Match the following :

- |                                   |                     |
|-----------------------------------|---------------------|
| 13. Intension                     | (a) DBA.            |
| 14. Extension                     | (b) Database Schema |
| 15. Concurrent operation          | (c) Relation Schema |
| 16. Authorisation for data access | (d) Scheduler.      |
|                                   | (e) Buffer manager. |
|                                   | (f) Relation State. |

(4 × 1 = 4)

### Section B

Answer any five questions.

Each question carries a weight of 1.

17. Name any four RDBMS programs.
18. What is one-to-one relationship?
19. Point out the properties of a relation.
20. What is Functional Dependency?
21. What is a Tabular report?
22. Define Foreign Key.
23. What is query tree?
24. What is the purpose of forms in MS Access?

(5 × 1 = 5)

### Section C

Answer any four questions.

Each question carries a weight of 2.

25. What is the procedure for creating a form, using wizard?
26. How to insert a logo or image in a form?

27. Explain about various key constraints used in database system.
28. Describe the basic steps involved in query processing.
29. What is data independence? Describe its different types.
30. Explain ER model and its concepts.

(4 × 2 = 8)

#### Section D

Answer any **two** questions.

Each question carries a weight of 4.

31. What is a report? Explain the procedure for creating a report using wizard.
32. Describe about security and integrity of database systems and the features of distributed databases.
33. Describe different field data types.

(2 × 4 = 8)