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Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Web Technologies and Multimedia) (Sem.-2)

DATABASE MANAGEMENT SYSTEM

Subject Code : BVWM-201-19

M.Code : 77511

Date of Examination : 13-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Write briefly :

- a) What is DBMS?
- b) Define the concept of aggregation.
- c) What is the need of DBMS?
- d) What is the candidate key?
- e) What is the referential integrity?
- f) What is an ER diagram?
- g) What is the difference between authentication and authorization?
- h) What is BKNF?
- i) Define the term concurrency control.
- j) Why there is a need to normalize the Database?

SECTION-B

2. a) Explain the responsibilities of DBA.
 b) Differentiate between Physical and Logical independencies.
3. Elaborate three level architecture of DBMS.
4. Differentiate between DDL and DML.
5. Define trigger and explain its parts.
6. Discuss about Join Dependencies and Fifth Normal Form.

SECTION-C

7. What are the data models? Differentiate between relational, hierarchical and network model.
8. Explain the structure and design of distributed database.
9. How functional dependency is different from multivalued and join dependencies? Give an example each of multivalued and join dependencies.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.