

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 07**

## B.Sc (DA) (Sem.-2)

**Subject Code : UGCA-1922**

**M.Code : 91982**

**Date of Examination : 15-12-22**

**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 SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

## SECTION-A

1. **Write briefly :**
  - a. What is data base? Explain.
  - b. What do you understand by Attribute? Explain.
  - c. What is atomicity of transaction?
  - d. What do you understand by Relationship? Explain.
  - e. What is DDL?
  - f. Give example using SQL for the Retrieval with group by clause.
  - g. What is Data Base Integrity?
  - h. What is a primary key?
  - i. What are the LOG FILES?
  - j. What is the client/ Server Architecture?

## SECTION-B

2. Explain the following type of keys with example.
  - a) Super Key
  - b) Secondary Key
  - c) Candidate Key
3. What are the first three normalization in relational data base model?
4. What is the architecture of a database? Explain with example.
5. What are the various advantages of databases over the file system?
6. What is the structure of a distributed database?
7. What are the security requirements of a database? Explain with example.

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