



- Q.4 \_\_\_\_ is the decomposition of a more complex data structure into relations. (CO2)
- a) Normalization      b) Fragmentation
- c) Segmentation      d) None of the above
- Q.5 Which command is used to remove a relation from a database? (CO3)
- a) Drop table      b) Delete
- c) Purge      d) Remove
- Q.6 In order to maintain transactional integrity and database consistency what technology does a DBMS use? (CO5)
- a) Triggers      b) Pointers
- c) Locks      d) Cursors

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define database Schema. (CO1)
- Q.8 What is Logical data independence? (CO1)
- Q.9 What is Domain Constraint? (CO2)
- Q.10 Define Functional dependency. (CO3)

- Q.11 Write SQL command to create a table from another table. (CO4)

- Q.12 What is a distributed database? (CO5)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain characteristics of DBMS in brief. (CO1)
- Q.14 What is the difference between logical and physical data independence? (CO2)
- Q.15 Explain various workers behind the scene in DBMS? (CO1)
- Q.16 What are data models? What are its types? (CO2)
- Q.17 Discuss different symbols used in E-R model with example. (CO2)
- Q.18 What is normalization? Why it is useful? (CO3)
- Q.19 Explain Grant and Revoke command with suitable example. (CO3)
- Q.20 Discuss various challenges of MySQL. (CO4)
- Q.21 Explain ACID properties of transaction in brief. (CO5)
- Q.22 What is two-phase locking technique? What is its use? (CO5)