TIME: 3 HRS]   **[MAX. MARKS: 80**

SECTION - A (8 X 4 = 32 Marks)

1   **Answer any EIGHT questions**

  a   Write about impedence mismatch

  b   Write difference between No SQL and RDBMS

  c   Give a brief understanding about Aggregates with examples.

  d   Write about single server database

  e   Give a short note on master slave databases

  f   Explain replication with examples.

  g   Explain the concept of data sharding.

  h   List the features of document model

  i   Give an example of graph databases.

  j   Give a simple understanding about quorum

  k   Write features of Key-Value database.

  l   List advantages of Column-family databases.

SECTION – B (4 X 12 = 48 Marks)
Answer ALL questions

2 a   Discuss various applications of NoSQL

OR

  b   Explain relationships and materialized views

3 a   Explain various types of replications

OR

  b   Write a note on version stamp with example in detail.

4 a   Write the use-cases of key-value databases

OR

  b   Give a detailed note on When not to Use document databases

5 a   Illustrate and explain suitable use cases of column-family data store.

OR

  b   Illustrate and explain graph database in detail.

★★★★★