**M.Sc C.S - I**

**SEM I**

**E-Journal**

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| **Roll No.** | 027 |
| **Name** | OJHA ABHISHEK DEVMANI |
| **Subject** | ADVANCED DATABASE SYSTEMS |



CERTIFICATE

This is here to certify that Mr. **OJHA ABHISHEK DEVMANI**, Seat Number **027** of M.Sc. I Computer Science, has satisfactorily completed the required number of experiments prescribed by the UNIVERSITY OF MUMBAI during the academic year 2021 – 2022.

Date:

Place: Mumbai

Teacher In-Charge Head of Department

External Examiner

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| **Sr. No.** | **Practical Name** | **Date** |
| **1** | For a given a global conceptual schema, divide the schema into horizontal and vertical fragmentation and place them on different nodes. Execute queries on these fragments that will demonstrate distributed databases environment. |  |
| **2** | Place the replication of global conceptual schema on different nodes and execute queries that will demonstrate distributed databases environment. |  |
| **3** | CRUD operation using MongoDB. |  |
| **4** | Create different types that include attributes and methods. Define tables for these types by adding sufficient number of tuples. Demonstrate insert, update and delete operations on these tables. Fire suitable queries on them. |  |
| **5** | Create a temporal database and issue queries on it. |  |
| **6** | Create a table that stores the special data and issue queries on it. |  |
| **7** | Create a table employee having dept\_id as number datatype and employee\_spec as XML data type (XM\_Type). The employee\_spec is a schema with attributes emp\_id, name, email, acc\_no, managerEmail, dataOf Joning. Insert 10 tuples into employee table. Fire the following queries on XML database. |  |