**PMAS Arid Agriculture University Rawalpindi**

**University Institute of Information Technology**

**Final Term Examination-Spring-2023**

**BSCS 2- Morning & Evening**

**Database Systems**

**Total Time: 30 Minutes**  **Maximum Points: 20**

**Q1:** Draw and Discuss Database architecture for your class project. **6Marks**

**Q2:** Consider the table and answer SQL queries given below. **8Marks**

**Teacher Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Teacher\_id (P.K) | Teacher\_Name | Salary (U.K) | Teacher\_Subject | Teacher\_city |
| 1 | Ali | 30,000 | Math | Peshawar |
| 2 | Ahmed | 45,000 | English | Lahore |
| 3 | Kashif | 60,000 | Computer | Islamabad |
| 4 | Bilal | 75,000 | Science | Multan |
| 5 | Nazeer | 90,000 | Physics | Peshawar |

1. **Write a query to create a sequence for generating unique keys and demonstrate how to call the sequence to generate values. Also, provide the query to drop the sequence when it is no longer needed.**
2. **Create indexes for all columns in a teacher table.**
3. **Create a simple view to display all rows in a teacher table.**