**MOCK TEST 1**

**Q1. WHAT ARE THE ADVANTAGES OF SQL SERVER?**

CHEAPER (14500 USD) HIGHLY SCALABLE EASY USAGE

FREE SUPPORT FREE UPDATES FREE BI TOOLS

**Q2. WHAT IS SQL ?**

**STRUCTURED QUERY LANGUAGE.**

A LANGUAGE USED TO COMMUNICATE WITH ANY DATABASE.

**Q3. WHAT IS T-SQL?**

**TRANSACT SQL**

A LANGUAGE USED TO COMMUNICATE WITH SQL SERVER DATABASES

**Q4. WHAT ARE THE OPERATIONS WE CAN PERFORM USING SQL or T-SQL ?**

* + - DESIGN AND DEVELOPMENT ACTIVITIES
    - DATABASE TESTING ACTIVITIES
    - DATABASE MANAGEMENT (ADMIN) ACTIVITIES

**Q5. WHAT ARE THE DIFFERENT VERSIONS OF SQL SERVER?**

SQL SERVER 2019, SQL SERVER 2017, SQL SERVER 2016, 2014, 2012

**Q6. WHAT ARE THE DIFFERENT EDITIONS OF SQL SEVRVER?**

DATA CENTER EDITION, ENTERPRISE EDITION, EVALUATION EDITION,

STANDARD EDITION, DEVELOPER EDITION, WEB EDITION

**Q8. WHAT KINDS OF DATABASES DOES SQL SERVER SUPPORT?**

|  |  |  |
| --- | --- | --- |
| **Type of Database** | **Purpose** | **Examples** |
| **OLTP : Online Transaction Processing Database** | **LIVE, Real-time** | **LIVE Temperature** |
| **OLAP : Online Analytical Processing Database** | **Analysis, Forecasts** | **Temperature Analysis** |
| **DWH : Data Warehouse Database** | **Old, Historical Data** | **Past Temperature Data** |
| **HTAP : Hybrid Transactional Analytical Database** | **All Above in one DB** | **LIVE Forecasts** |

**Q9. HOW CAN YOU SAY THAT SQL SERVER IS HIGHLY SCALABLE?**

SQL SERVER IS HIGHLY SCALABLE ASIT CAN WORK ON ANY OS (WINDOWS, LINUX, ETC..)

**Q10. WHAT ARE THE FEATURES** (**COMPONENTS**) **INSIDE SQL SERVER?**

1. DATABASE ENGINE SERVICES

2. MACHINE LEARNING SERVER (STANDALONE)

3. ANALYSIS SERVICES

4. INTEGRATION SERVICES

5. REPORTING SERVICES