Quiz 1: System Software – Day 3

**Database and Web Server**

**Database**

1. What is the full form of DBMS?  
a) Data of Binary Management System  
b) Database Management System  
c) Database Management Service  
d) Data Backup Management System

Answer: b  
Explanation: DBMS is abbreviated as Database Management System. Database Management System stores the data and allows authorized users to manipulate and modify the data.

2. What is a database?  
a) Organized collection of information that cannot be accessed, updated, and managed  
b) Collection of data or information without organizing  
c) Organized collection of data or information that can be accessed, updated, and managed  
d) Organized collection of data that cannot be updated

Answer: c  
Explanation: It is defined as an organized collection of data or information for easy access, updating, and management in a computer.

3. What is DBMS?  
a) DBMS is a collection of queries  
b) DBMS is a high-level language  
c) DBMS is a programming language  
d) DBMS stores, modifies and retrieves data

Answer: d  
Explanation: DBMS is nothing but a storehouse wherein the authorized user can create a database to store, modify or retrieve the organized data in the table. It can be modified or retrieved by users who have access to DBMS only.

4. In which of the following formats data is stored in the database management system?  
a) Image  
b) Text  
c) Table  
d) Graph

Answer: c  
Explanation: The data is stored in a table format intended to manage the storage of data and manipulate stored data to generate information.

5. This set of MongoDB Multiple Choice Questions & Answers (MCQs) focuses on “NoSQL Databases”.

1. Which of the following is not a NoSQL database?  
a) SQL Server  
b) MongoDB  
c) Cassandra  
d) None of the mentioned

Answer: a  
Explanation: Microsoft SQL Server is a relational database management system developed by Microsoft.

6. Point out the correct statement.  
a) Documents can contain many different key-value pairs, or key-array pairs, or even nested documents  
b) MongoDB has official drivers for a variety of popular programming languages and development environments  
c) When compared to relational databases, NoSQL databases are more scalable and provide superior performance  
d) All of the mentioned

Answer: d  
Explanation: There are also a large number of unofficial or community-supported drivers for other programming languages and frameworks.

7.. Which of the following is a NoSQL Database Type?  
a) SQL  
b) Document databases  
c) JSON  
d) All of the mentioned

Answer: b  
Explanation: Document databases pair each key with a complex data structure known as a document.

8. Which of the following is a wide-column store?  
a) Cassandra  
b) Riak  
c) MongoDB  
d) Redis

Answer: a  
Explanation: Wide-column stores such as Cassandra and HBase are optimized for queries over large datasets, and store columns of data together, instead of rows.

9.. Which of the following are the simplest NoSQL databases?  
a) Key-value  
b) Wide-column  
c) Document  
d) All of the mentioned

Answer: a  
Explanation: Every single item in the database is stored as an attribute name (or “key”), together with its value in Key-value stores.

10. \_\_\_\_\_\_\_\_ stores are used to store information about networks, such as social connections.  
a) Key-value  
b) Wide-column  
c) Document  
d) Graph

Answer: d  
Explanation: Graph stores include Neo4J and HyperGraphDB.

**WebServer**

1. \_\_\_\_\_\_\_\_\_ is one of the most widely used web server platforms.  
a) IIS  
b) IAS  
c) ISS  
d) AIS

Answer: a  
Explanation: Websites get hosted on web servers. Web servers are actually computers running that makes us available & accessible files (web pages) through the internet. IIS is one of the most widely used web server platforms.

2. IIS stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
a) Interconnected Information Server  
b) Interconnected Information Services  
c) Internet Information Server  
d) Internet Information Services

Answer: d  
Explanation: Web servers are actually computers running that makes us available & accessible files (web pages) through the internet. The most widely used web server platform is the IIS (Internet Information Services).

3. Which of the following is not a web server?  
a) Apache tomcat  
b) BlueGriffon  
c) Jetty  
d) Tornado

Answer: b  
Explanation: Tornado is a web server written in python language. Eclipse is a web server (Java HTTP server). Apache Tomcat, is a web server which is also known as Tomcat server. BlueGriffon is an IDE.

4. Tomcat is an open source web server that provides a servlet container allowing you to run Java code.  
a) True  
b) False

Answer: a  
Explanation: Apache Tomcat, a web server developed by the Apache Software Foundation and which is also known as Tomcat Server. Apache Tomcat provides several Java EE specifications such as Java Servlet, JavaServer Pages (JSP), Java EL, and WebSocket. It also provides “Java” HTTP web server which is used to run java code.

5. Which of the following interface is not supported by LightTPD?  
a) FastCGI  
b) SCGI  
c) GCGI  
d) CGI

Answer: c  
Explanation: Interfaces like FastCGI, SCGI and CGI are supported by LightTPD to external programs to be used with the server.