1.	Question 1: Data types define the type of data that can be stored in which part of a database table?	1/1 point
	○ Index	
	○ Schemas	
	O Rows	
	Columns	
	Correct Data types define the type of data that is stored in columns.	
2.	Question 2: Popularity of cloud databases has more than doubled in the past decade. Which cloud service model is driving this?	1/1 point
	O Infrastructure as a Service (IaaS)	
	O Platform as a Service (PaaS)	
	O Commercial databases	
	Software-as-a-Service (SaaS)	
	○ Correct Software-as-a-Service model is driving the rise in popularity of cloud databases.	
3.	Question 3: The DBMS on the server in a 2-tier environment includes multiple layers. Which layer is also referred to as the persistence layer?	1/1 point
	Database Storage layer	
	O Data Access layer	
	O Transmission layer	
	O Database Engine layer	
	Correct The database storage or persistence layer is where the data is stored, either locally or on network storage.	
4.	Question 4: Which NoSQL functionality does PostgreSQL use to store non-hierarchical data?	1/1 point
	○ Functions	
	Replication	
	O JSON	
	HSTORE	
	Correct It uses the functionality of NoSQL HSTORE for non-hierarchical data.	

5.	Question 5: How can the Entity Relationship Diagram (ERD) model be used?	1/1 point
	The ERD model helps you to define entities and their attributes, and map them to tables, and identify the relationships between the tables.	
	The ERD model helps you map data types to existing columns and rows.	
	The ERD model helps you to design a database with a single table.	
	The ERD model helps you to define the data in each row of a table.	
	Correct The ERD model helps you to define entities and their attributes, and map them to tables, and identify the relationships between the tables. Rather than being used as a model on its own, the ER Model is used as a tool to design relational databases.	
6.	Question 6: Which of the following sources is NOT supported by the Db2 Web Console for loading data?	1/1 point
	S3 object storage (AWS)	
	O Delimited text files (local computer)	
	Cloud Object Storage (IBM)	
	Python code	
7.	Question 7: When creating a foreign key, how can you define an action to take if a parent table row is updated?	1/1 point
	Use the CREATE TABLE command	
	Use the ON DELETE CASCADE clause	
	Use the rule clause	
	Use the ALTER TABLE command	
	 Correct Use the rule clause to define what action to take if a parent table row is updated or deleted. 	
8.	Question 8: Which of the following is a disadvantage of using Indexes?	1/1 point
	Reduce need to sort data	
	O Guarantees uniqueness of rows	
	Uses disk space	
	C Enhances SELECT query performance	
	 Correct This is like adding an index to books, it adds more pages. 	
	Question 9: Which of the following constraints limits the values accepted by an attribute?	1/1 point
	O Unique constraint	
	O Domain constraint	
	O Null constraints	
	Check constraint	
	 Correct This constraint enforces domain integrity by limiting values that are accepted by attributes. 	

10. Question 10: What is the difference between system schemas and user schemas?	1/1 point
O System schemas contain partitions and user schemas contain metadata.	
System schemas store configuration information and metadata.	
O Both schemas contain the same objects.	
Neither schema contains database objects.	
 Correct System schemas store configuration information and metadata, while user schemas store the actual data. 	
11. Question 11: Which MySQL tool can you use to visually design a MySQL database?	1/1 point
○ mysql	
MySQL Workbench	
○ phpMyAdmin	
O mysqladmin	
 Correct MySQL Workbench is a visual database design tool that integrates SQL development, administration, and database design, creation, and maintenance. 	
12. Question 12: When creating a MySQL database using phpMyAdmin, at which point in the process do you define the length of the data in a column?	1/1 point
When you name the new database.	
When you define the columns in the table.	
When you add tables to the database.	
When you are shown a summary of the structure of the new table.	
 Correct When you define the columns in a table, you can specify the name, data type, and length (if relevant) for each column. 	
13. Question 12: What is the maximum size of a data file you can import with abaNA/dmin?	
13. Question 13: What is the maximum size of a data file you can import with phpMyAdmin?	1/1 point
○ 3 megabytes	
① 1 megabyte	
Unlimited Unlimited	
CorrectYou can import up to 2 megabytes of data at a time using phpMyAdmin.	
14. Question 14: On which operating systems can you install PostgreSQL?	1/1 point
O UNIX, UNIX like, or UNIX-based systems	
You cannot install PostgreSQL locally, it must be Cloud-based	
macOS, Microsoft Windows, UNIX	
O macOS only	
Correct You can download and install PostgreSQL on your own servers, on a range of operating systems such as macOS, Windows, UNIX and UNIX-based or UNIX like systems.	

15. Qu	estion 15: Why would you refresh a materialized view in a PostgreSQL database before you use it?	1/1 point
0	You need to refresh a materialized view so you can edit the data.	
0	The materialized view only stores the data in memory, so it needs to be refreshed to reflect current data.	
0	Refreshing a materialized view increases performance.	
•	The materialized view stores the data, so if you need to use the most current data you should refresh the view first.	
(Correct This is one of the key differences between materialized views and regular views. You must refresh it to reflect the most current data.	