CS5304 Big Data Services & MLOps – Spring 2025 (Quiz # 2)

Name: _____   Roll No: _____

Instructions

1- Read the Questions carefully to give concise Answers.
2- Answers outside the box will not be considered. Answers should be readable
3- Clearly mention any assumptions you have taken in your Answers.
4- Use of unfair means will result in an award of ZERO marks.

Q1.
What are the 3Vs that constitute big data?
Mention them & provide one-line explanation of each. {6 Marks}
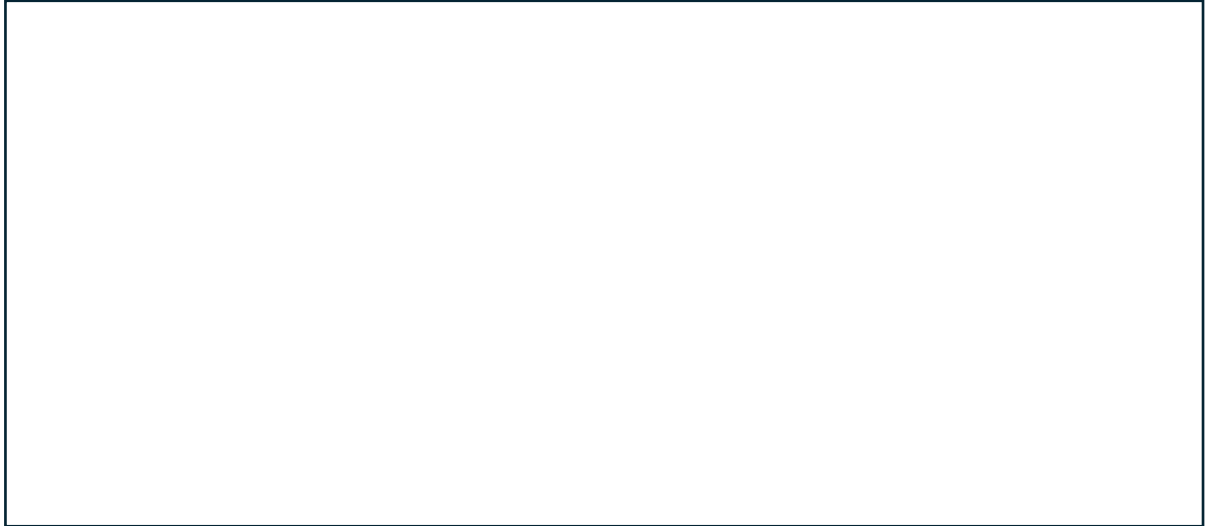
(Answer in 2 lines per V)

Q2.
Mention 2 problems with Spark that Databricks solves. {4 Marks}

(Mention 2 Bullet Points)

Q3.
In Databricks, data is organized into 3 layers: bronze, silver, and gold.
Briefly describe usage of each layer. {9 Marks}

(Answer in 3 points per layer)

Q4.
a. Briefly describe the functionality of Spark Driver, Worker, and Executor. {9 Marks}
b. Which cloud resource is used to implement Spark Driver and Worker Nodes? {3 Marks}

(Answer should be concise)