Data Science and Data Gathering

Sr	Questions	Answers Choice
1	What is the primay purpose of data preprocessing in big data analytics.	A. To increase data storage costs B. To prepare raw data for analysis C. To eliminate the need for data visualization D. To reduce the volume of data
2	What does the volume characteristic of big data refer to.	A. The speed at which data is generated B. The different forms data can take C. The sheer amount of data being collected D. The way data is processed
3	Which of the following best describes the concept of big data.	A. Data that is stored in traditional databases B. Data that is too small to be analyzed effectively C. Data that is characterized by high volume, velocity and variety D. Data that is only generted by social media platforms
4	What is the primary function of data collection in the context of data science?	A. Data analysis B. Data retrieval C. Data generation D. Data Storaage
5	What is an outlier in a dataset.	A. The middle value when all values are arranged in order B. An usual or extremetn value that deosen't fit the pattern C. The most frequent value D. the avarage of all values
6	Which programming language is commonly used for bign data analytics and machine learning tasks.	A. Java B. C++ C. Phyton D. Ruby
7	What is the primary purpose of data visualization in data sciecne?	A. Data Collection B. Data modeling C. Extracting insights D. Data exploration
8	Which industry heavily relies on lot for supply chaain optimization and resource allocation?	A. Healthcare B. Finance C. Transporation D. Retail
9	---------- is the grahical represnetation of data through use of common charts, plots, infographics and animations.	A. Data cleaning B. Missing values C. Data visualization D. Data hiding
10	What does data encryption do?	A. It automatically delet old data B. It speeds up internet connection C. It converts data into a code to prevent unauthorized access D. It makes data availabel to every one online
11	What is data	A. Processed information B. A list of observed events C. A collectionof numebrs only D. Raw facts gathered about things
12	How does data sciecne add value to bing data.	A. By creating more data B. By extracting insights and predictions from data C. By making data storage more efficient D. By ensuring data quality and consistency
		A. To hide complex data

13	What is the primary purpose of data visualization.	B. To make data easier to understand by turning it into pictures C. To generate random numbrs D. To conert text into data
14	What is the main purpose of data collection ?	A. to delete old data B. To format text documents C. To gather information to answer questions or make decisions D. to create random numbers
15	What is the role of domain knowledge in data sciecne.	A. writing code for data analysis B. Visualizing data C. Understanding the specific context of data D. conducting staticial tests
16	Whcih tool is specifically designed for creatin detailed nd interactive visualizations?	A. Tableau B. Power point C. Google Sheets D. Microsoft Excel
17	What is the primary challenge associated with traditional data processing techniques when dealing with big data.	A. Lack of storage capacity B. Limited availability of data visualization tools C. Inability to handle diverse data types and large volumes D. Slow processing speed
18	-------is the fast rate at which data is received and acted on.	A. Velocity B. Volume C. Variety D. Vision
19	Which type of data attibute represents categories with a specific order but inconsistent intervals between them?	A. Nominal B. Binary C. Ordinal D. Interval
20	In the context of bign data what does the 3 Vs refer to?	A. Varacity velocity, veracity B. Variety, velocity, volume C. Volume, value, velocity D. Validity, variety, volume