

# CIW 1D0-181

**CIW Artificial Intelligence Associate**

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# Latest Version: 6.0

## Question: 1

What does the Bayesian approach in machine learning focus on?  
Response:

- A. Frequency of data occurrences
- B. Prior probabilities to make predictions
- C. Only the dataset's mean and standard deviation
- D. The color and size of the data points

**Answer: B**

## Question: 2

Which AI application is commonly used in online shopping for product recommendations?  
Response:

- A. Virtual Reality
- B. Quantum Computing
- C. Machine Learning Algorithms
- D. Blockchain

**Answer: C**

## Question: 3

In AI project planning, what is the significance of defining the scope and limitations of the project?  
Response:

- A. Determines the project budget
- B. Helps in choosing the programming language
- C. Sets realistic expectations and goals
- D. None of the above

**Answer: C**

## Question: 4

Why is 'data diversity' important in training AI models?

Response:

- A. To make the data more colorful
- B. To ensure the model performs well across different scenarios and datasets
- C. To increase the amount of data
- D. To make the data look more appealing

**Answer: B**

### Question: 5

How does 'clustering' work in the context of machine learning?

Response:

- A. By dividing the data into groups based on similarities
- B. By arranging data in chronological order
- C. By reducing the size of the data
- D. By increasing the speed of data processing

**Answer: A**

### Question: 6

Which of the following is a key feature of 'robotic process automation'?

Response:

- A. Manual data entry
- B. Automating repetitive tasks
- C. Physical robot movement
- D. Graphic design

**Answer: B**

### Question: 7

In machine learning, what is 'feature extraction'?

Response:

- A. Removing unnecessary features from the dataset
- B. Identifying and selecting important input variables

- C. Extracting data from the internet
- D. Converting digital features into physical forms

**Answer: B**

### Question: 8

What is 'sentiment analysis' typically used for in AI?  
Response:

- A. Understanding emotions in text data
- B. Improving the speed of data processing
- C. Data storage
- D. Programming AI models

**Answer: A**

### Question: 9

How does 'gradient descent' assist in training AI models?  
Response:

- A. By increasing the size of the dataset
- B. By finding the minimum value of a function
- C. By enhancing the graphical output
- D. By writing code for the model

**Answer: B**

### Question: 10

Which technology is crucial for speech recognition in AI?  
Response:

- A. Solid State Drives
- B. Natural Language Processing
- C. Graphic Cards
- D. Bluetooth Technology

**Answer: B**

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