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Exam : NCA-GENM

Title : Generative AI Multimodal

Version : DEMO

1.What does 'modality alignment' refer to?

- A. The integration of pretrained models to perform custom tasks involving different types of data.
- B. The process of integrating diverse data types such as text, images, audio, time series, and geospatial information.
- C. Addressing challenges related to missing or incomplete information across different modalities.
- D. Aligning different modalities within multimodal data to ensure meaningful connections and associations.

Answer: D

2.In multimodal machine learning, what does 'early fusion' refer to?

- A. Integrating different modalities at the beginning of the model pipeline.
- B. Ignoring certain modalities and only using one modality for analysis and prediction.
- C. Training separate models for each modality and then combining their predictions.
- D. Implementing the model in the early stages of development of the ML solution.

Answer: A

3.Which metric is commonly used for evaluating Automatic Speech Recognition (ASR) models?

- A. CTC Loss
- B. F1 Score
- C. Mean Opinion Score (MOS)
- D. Word Error Rate (WER)

Answer: D

4.How does CLIP understand the content of both text and images?

- A. By converting text and images into a frequency domain for comparison.
- B. Using contrastive learning to match images with text descriptions.
- C. By translating images into text and comparing them with the prompt.
- D. Through a database of predefined images with their descriptions.

Answer: B

5.You are working with a large dataset and want to visualize the distribution of a continuous variable. Which type of data visualization would be most appropriate?

- A. Histogram chart
- B. Bar chart
- C. Line chart
- D. Pie chart

Answer: A