

Quiz 2025 1Z0-1127-25: Latest Oracle Cloud Infrastructure 2025 Generative AI Professional Exam Testking



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Oracle 1Z0-1127-25 Exam Syllabus Topics:

Topic	Details

Topic 1	Using OCI Generative AI Service: This section evaluates the expertise of Cloud AI Specialists and Solution Architects in utilizing Oracle Cloud Infrastructure (OCI) Generative AI services. It includes understanding pre-trained foundational models for chat and embedding, creating dedicated AI clusters for fine-tuning and inference, and deploying model endpoints for real-time inference. The section also explores OCI's security architecture for generative AI and emphasizes responsible AI practices.
Topic 2	Using OCI Generative AI RAG Agents Service: This domain measures the skills of Conversational AI Developers and AI Application Architects in creating and managing RAG agents using OCI Generative AI services. It includes building knowledge bases, deploying agents as chatbots, and invoking deployed RAG agents for interactive use cases. The focus is on leveraging generative AI to create intelligent conversational systems.
Topic 3	Fundamentals of Large Language Models (LLMs): This section of the exam measures the skills of AI Engineers and Data Scientists in understanding the core principles of large language models. It covers LLM architectures, including transformer-based models, and explains how to design and use prompts effectively. The section also focuses on fine-tuning LLMs for specific tasks and introduces concepts related to code models, multi-modal capabilities, and language agents.
Topic 4	Implement RAG Using OCI Generative AI Service: This section tests the knowledge of Knowledge Engineers and Database Specialists in implementing Retrieval-Augmented Generation (RAG) workflows using OCI Generative AI services. It covers integrating LangChain with Oracle Database 23ai, document processing techniques like chunking and embedding, storing indexed chunks in Oracle Database 23ai, performing similarity searches, and generating responses using OCI Generative AI.

Oracle Cloud Infrastructure 2025 Generative AI Professional Sample Questions (Q40-Q45):

NEW QUESTION # 40

Which is NOT a category of pretrained foundational models available in the OCI Generative AI service?

- A. Summarization models
- B. Generation models
- C. Translation models
- D. Embedding models

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation=

OCI Generative AI typically offers pretrained models for summarization (A), generation (B), and embeddings (D), aligning with common generative tasks. Translation models (C) are less emphasized in generative AI services, often handled by specialized NLP platforms, making C the NOT category. While possible, translation isn't a core OCI generative focus based on standard offerings. OCI 2025 Generative AI documentation likely lists model categories under pretrained options.

NEW QUESTION # 41

How does the temperature setting in a decoding algorithm influence the probability distribution over the vocabulary?

- A. Decreasing the temperature broadens the distribution, making less likely words more probable.
- B. Temperature has no effect on probability distribution; it only changes the speed of decoding.
- C. Increasing the temperature flattens the distribution, allowing for more varied word choices.
- D. Increasing the temperature removes the impact of the most likely word.

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation=

Temperature adjusts the softmax distribution in decoding. Increasing it (e.g., to 2.0) flattens the curve, giving lower-probability

words a better chance, thus increasing diversity-Option C is correct. Option A exaggerates-top words still have impact, just less dominance. Option B is backwards-decreasing temperature sharpens, not broadens. Option D is false-temperature directly alters distribution, not speed. This controls output creativity.

OCI 2025 Generative AI documentation likely reiterates temperature effects under decoding parameters.

NEW QUESTION # 42

What does accuracy measure in the context of fine-tuning results for a generative model?

- A. The proportion of incorrect predictions made by the model during an evaluation
- B. The number of predictions a model makes, regardless of whether they are correct or incorrect
- C. The depth of the neural network layers used in the model
- **D. How many predictions the model made correctly out of all the predictions in an evaluation**

Answer: D

Explanation:

Comprehensive and Detailed In-Depth Explanation=

Accuracy in fine-tuning measures the proportion of correct predictions (e.g., matching expected outputs) out of all predictions made during evaluation, reflecting model performance-Option C is correct. Option A (total predictions) ignores correctness. Option B (incorrect proportion) is the inverse-error rate. Option D (layer depth) is unrelated to accuracy. Accuracy is a standard metric for generative tasks.OCI 2025 Generative AI documentation likely defines accuracy under fine-tuning evaluation metrics.

NEW QUESTION # 43

How can the concept of "Groundedness" differ from "Answer Relevance" in the context of Retrieval Augmented Generation (RAG)?

- A. Groundedness measures relevance to the user query, whereas Answer Relevance evaluates data integrity.
- B. Groundedness refers to contextual alignment, whereas Answer Relevance deals with syntactic accuracy.
- C. Groundedness focuses on data integrity, whereas Answer Relevance emphasizes lexical diversity.
- **D. Groundedness pertains to factual correctness, whereas Answer Relevance concerns query relevance.**

Answer: D

Explanation:

Comprehensive and Detailed In-Depth Explanation=

In RAG, "Groundedness" assesses whether the response is factually correct and supported by retrieved data, while "Answer Relevance" evaluates how well the response addresses the user's query. Option A captures this distinction accurately. Option B is off-groundedness isn't just contextual alignment, and relevance isn't about syntax. Option C swaps the definitions. Option D misaligns-groundedness isn't solely data integrity, and relevance isn't lexical diversity. This distinction ensures RAG outputs are both true and pertinent.

OCI 2025 Generative AI documentation likely defines these under RAG evaluation metrics.

NEW QUESTION # 44

What do embeddings in Large Language Models (LLMs) represent?

- A. The frequency of each word or pixel in the data
- B. The grammatical structure of sentences in the data
- **C. The semantic content of data in high-dimensional vectors**
- D. The color and size of the font in textual data

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation=

Embeddings in LLMs are high-dimensional vectors that encode the semantic meaning of words, phrases, or sentences, capturing relationships like similarity or context (e.g., "cat" and "kitten" being close in vector space). This allows the model to process and understand text numerically, making Option C correct. Option A is irrelevant, as embeddings don't deal with visual attributes. Option B is incorrect, as frequency is a statistical measure, not the purpose of embeddings. Option D is partially related but too narrow-embeddings capture semantics beyond just grammar.

OCI 2025 Generative AI documentation likely discusses embeddings under data representation or vectorization topics.

NEW QUESTION # 45

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