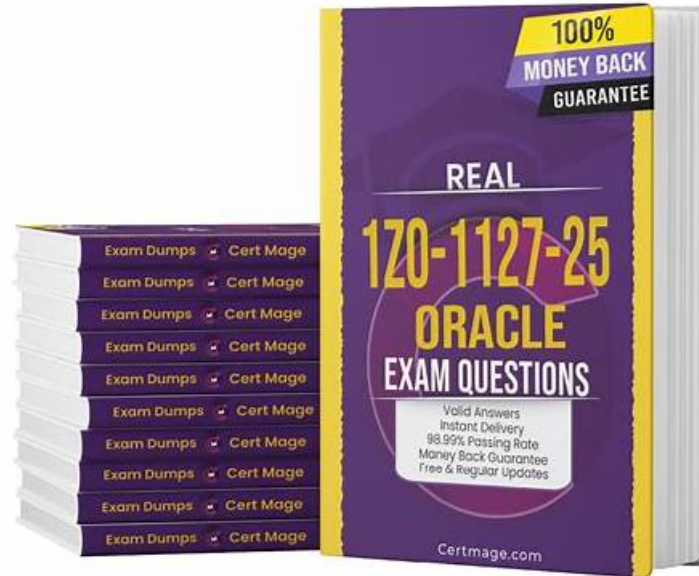


# 1Z0-1127-25 Test Questions Fee, 1Z0-1127-25 New Real Exam



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## Oracle 1Z0-1127-25 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>

Topic 4	<ul style="list-style-type: none"> <li>• <b>Implement RAG Using OCI Generative AI Service:</b> 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.</li> </ul>
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### Oracle Cloud Infrastructure 2025 Generative AI Professional Sample Questions (Q81-Q86):

#### NEW QUESTION # 81

What is the purpose of Retrievers in LangChain?

- A. To combine multiple components into a single pipeline
- **B. To retrieve relevant information from knowledge bases**
- C. To break down complex tasks into smaller steps
- D. To train Large Language Models

**Answer: B**

Explanation:

Comprehensive and Detailed In-Depth Explanation=

Retrievers in LangChain fetch relevant information (e.g., documents, embeddings) from external knowledge bases (like vector stores) to provide context for LLM responses, especially in RAG setups. This makes Option B correct. Option A (training) is unrelated-Retrievers operate at inference. Option C (task breakdown) pertains to prompting techniques, not retrieval. Option D (pipeline combination) describes chains, not Retrievers specifically. Retrievers enhance context awareness.

OCI 2025 Generative AI documentation likely defines Retrievers under LangChain components.

#### NEW QUESTION # 82

What is the primary function of the "temperature" parameter in the OCI Generative AI Generation models?

- A. Specifies a string that tells the model to stop generating more content
- B. Assigns a penalty to tokens that have already appeared in the preceding text
- C. Determines the maximum number of tokens the model can generate per response
- **D. Controls the randomness of the model's output, affecting its creativity**

**Answer: D**

Explanation:

Comprehensive and Detailed In-Depth Explanation=

The "temperature" parameter adjusts the randomness of an LLM's output by scaling the softmax distribution-low values (e.g., 0.7) make it more deterministic, high values (e.g., 1.5) increase creativity-Option A is correct. Option B (stop string) is the stop sequence. Option C (penalty) relates to presence/frequency penalties. Option D (max tokens) is a separate parameter. Temperature shapes output style.

OCI 2025 Generative AI documentation likely defines temperature under generation parameters.

### NEW QUESTION # 83

In the simplified workflow for managing and querying vector data, what is the role of indexing?

- A. To convert vectors into a non-indexed format for easier retrieval
- B. To compress vector data for minimized storage usage
- C. To categorize vectors based on their originating data type (text, images, audio)
- **D. To map vectors to a data structure for faster searching, enabling efficient retrieval**

**Answer: D**

Explanation:

Comprehensive and Detailed In-Depth Explanation=

Indexing in vector databases maps high-dimensional vectors to a data structure (e.g., HNSW, Annoy) to enable fast, efficient similarity searches, critical for real-time retrieval in LLMs. This makes Option B correct. Option A is backwards-indexing organizes, not de-indexes. Option C (compression) is a side benefit, not the primary role. Option D (categorization) isn't indexing's purpose-it's about search efficiency. Indexing powers scalable vector queries.

OCI 2025 Generative AI documentation likely explains indexing under vector database operations.

### NEW QUESTION # 84

Which is a characteristic of T-Few fine-tuning for Large Language Models (LLMs)?

- A. It does not update any weights but restructures the model architecture.
- B. It increases the training time as compared to Vanilla fine-tuning.
- C. It updates all the weights of the model uniformly.
- **D. It selectively updates only a fraction of the model's weights.**

**Answer: D**

Explanation:

Comprehensive and Detailed In-Depth Explanation=

T-Few fine-tuning, a Parameter-Efficient Fine-Tuning (PEFT) method, updates only a small fraction of an LLM's weights, reducing computational cost and overfitting risk compared to Vanilla fine-tuning (all weights). This makes Option C correct. Option A describes Vanilla fine-tuning. Option B is false-T-Few updates weights, not architecture. Option D is incorrect-T-Few typically reduces training time. T-Few optimizes efficiency.

OCI 2025 Generative AI documentation likely highlights T-Few under fine-tuning options.

### NEW QUESTION # 85

Which technique involves prompting the Large Language Model (LLM) to emit intermediate reasoning steps as part of its response?

- **A. Chain-of-Thought**
- B. Step-Back Prompting
- C. In-Context Learning
- D. Least-to-Most Prompting

**Answer: A**

Explanation:

Comprehensive and Detailed In-Depth Explanation=

Chain-of-Thought (CoT) prompting explicitly instructs an LLM to provide intermediate reasoning steps, enhancing complex task performance-Option B is correct. Option A (Step-Back) reframes problems, not emits steps. Option C (Least-to-Most) breaks tasks into subtasks, not necessarily showing reasoning. Option D (In-Context Learning) uses examples, not reasoning steps. CoT improves transparency and accuracy.

OCI 2025 Generative AI documentation likely covers CoT under advanced prompting techniques.

### NEW QUESTION # 86

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