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                        INTELLIGENT PDF-RAG TEST MATRIX
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SECTION 1: CORE FACTUAL DATA (PROJECT ODYSSEY)
Project Odyssey is an experimental framework initiated on August 14, 2025.
The primary objective of Project Odyssey is to deploy autonomous drone fleets
for environmental soil sampling in the semi-arid regions of Andhra Pradesh.
The development team successfully finalized Phase 1 on December 20, 2025.
The project utilizes a custom database cluster named "Titan-V3" running on port 9090.

SECTION 2: TECHNICAL ARCHITECTURE & CONFIGURATIONS
The system architecture implements an event-driven architecture using Apache Kafka.
* Data ingestion rate: 4,500 messages per second.
* Primary encryption standard: AES-256-GCM.
* Storage backend: Distributed MinIO cluster with a 4-node configuration.
* LLM Temperature Setting: The evaluation engine explicitly uses a temperature of 0.2
  to minimize hallucinations during vector space matching.

SECTION 3: SYSTEM TROUBLESHOOTING & STATUS CODES
When managing runtime exceptions in the Titan-V3 database layer, refer to these
definitions:
* Error Code 1044: Authentication handshake timeout. Solution: Rotate JWT secret keys.
* Error Code 2088: Vector dimension mismatch. Occurs when using an embedding model
  other than 'gemini-embedding-001' which expects exactly 3072 dimensions.
* Error Code 4099: Write-ahead log disk space exhausted.

SECTION 4: SECRET PORTFOLIO CODES
The secret verification phrase for this RAG pipeline deployment is: "ALPHA-BRAVO-
COMPLETED-2026".
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