MICTSETA

118699 Cloud Administrator EISA Mock Exam Memo KNOWLEDGE

Criteria	Proficient (3)	Developing (2)	Beginning (1)	Exemplary (4)
Technical Accuracy	Uses mostly correct terminology. Identifies general resource types correctly.	Some technical errors or misuse of cloud terms. General understanding only.	Significant technical inaccuracies or inability to identify correct services.	Uses precise terminology (e.g., IOPS, WORM, CDN, Multi-AZ). Identifies correct resource types for specific workloads.
Problem Analysis	Addresses most bottlenecks but may miss minor secondary requirements.	Identifies the problems but offers vague or generic solutions.	Fails to address the specific problems outlined in the scenario.	Addresses every bottleneck or "pain point" mentioned in the scenario with a specific technical solution.
Justification & Logic	Provides basic reasoning for choices, though some logic may be thin.	Lists solutions without explaining the underlying reasoning or trade-offs.	Offers solutions that do not logically align with the scenario's constraints.	Provides clear, logical reasoning for why a resource was chosen (e.g., why GPU for ML vs. CPU for transcoding).
Cost & Performance Optimization	Generally chooses appropriate tiers but may miss specific cost-saving opportunities.	Suggests "over-provisioned" or expensive solutions where cheaper ones would suffice.	Shows little to no consideration for cost or resource efficiency.	Consistently selects the most cost-effective and performant tier (e.g., Cold storage for archives, Spot/Burstable for idle loads).
Security & Compliance	Addresses major security concerns but may overlook specific mechanisms like Log Integrity or Secrets Management.	Identifies a need for security but lacks specific mitigation strategies (e.g., says "secure it" without saying how).	Ignores security implications or suggests non-compliant practices.	Integrates "Security by Design" (Encryption, WAF, WORM, Least Privilege) and accurately addresses regulatory needs like GDPR.
Section-Specific "Critical Success Factors"				
To achieve a "Proficient" or "Exemplary" score, a response must include these specific elements from the model answers:				
1. Infrastructure & Orchestration				
1.3 (Resource Strategy): Must match Spot Instances to "Training" and Serverless to "Preprocessing" to show cost-awareness.				

1.4 (Kubernetes): Must explain Self-Healing (restarting failed containers) and Packing Density (improving utilization from 25% to 70%).				
2. Monitoring & Maintenance				
2.1 (Maintenance): Must propose Right-Sizing (downsizing from "Extra Large") and Automated Patching.				
2.2 (Storage Policy): Must define specific triggers (e.g., 90 days for Warm, 2 years for Cold) to demonstrate lifecycle automation.				
2.3 (Storage Metrics): Must link Throttling to Request Limits and Latency to image load speeds.				
3. Security & Business Continuity				
3.1 (Compliance): Must identify that storing EU data in Texas violates Data Sovereignty and requires regional data centers.				
3.2 (DLM): Must include Cryptographic Deletion or physical overwriting as part of the "Disposal" stage.				
3.4 (Recovery): Must quantify the loss (R85,000/min) to justify a near-zero RPO for production databases.				

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