**Practice Prompts – Technical Focus**

* **Write a PowerShell script** that monitors CPU and memory usage across all test center machines and sends alerts if thresholds are exceeded. Include logging and email notification features.
* **Draft a technical SOP (Standard Operating Procedure)** for deploying a new version of the secure browser used in online proctored exams. Include rollback steps and validation checks.
* **Generate a troubleshooting flowchart** for resolving network connectivity issues during high-stakes exam delivery. Include decision points for local vs. cloud-based diagnostics.
* **Create a checklist for IT readiness** before launching a new test center. Include items like bandwidth verification, firewall configuration, secure browser installation, and endpoint security validation.
* **Write a Jira ticket template** for reporting bugs in the candidate check-in software. Include fields for environment, replication steps, logs, and severity rating.
* **Draft an internal email to the infrastructure team** summarizing the results of a recent load test on the exam delivery platform. Highlight performance bottlenecks and proposed optimizations.
* **Generate a script or automation plan** for syncing candidate data securely between Pearson systems and a partner institution’s LMS (Learning Management System). Include encryption and error handling.
* **Write a technical FAQ article** for the internal knowledge base explaining how Pearson’s secure testing platform handles data encryption, redundancy, and failover.
* **Outline a training module for IT staff** on maintaining ISO 27001 compliance in test center environments. Include examples of physical and digital security controls.
* **Create a dashboard mockup** for real-time monitoring of exam delivery metrics (e.g., latency, error rates, candidate logins) using tools like Grafana or Power BI.