Monitoring System Performance and Troubleshooting Issues

Part 1: Office Roleplay Dialogue

Scenario: A DevOps Engineer, Hiroshi, is working with his colleague, Elena, to monitor system performance and resolve an issue in their production environment.

Elena: Hiroshi, have you noticed the recent slowdown in the production environment?

Hiroshi: Yes, I was just checking our **monitoring** dashboard. CPU usage has been unusually high.

Elena: Could it be an issue with the latest deployment? Maybe we should check the **log aggregation** for errors.

Hiroshi: Good idea. If we see any patterns, we can trigger an **alerting** system to notify the team.

Elena: That would help us respond faster. Have you assessed the overall **system health**?

Hiroshi: I did a quick check. Memory usage looks stable, but disk I/O is spiking.

Elena: That could point to database issues. Should we start a **root cause analysis**?

Hiroshi: Yes. Let's compare recent deployments and see if any configuration changes caused this.

Elena: I'll check if there were any unauthorized updates while you analyze the logs.

Hiroshi: Sounds like a plan. If needed, we can roll back to a stable version.

Part 2: Comprehension Questions

1. What issue are Hiroshi and Elena trying to resolve?
(A) A missing software license
(B) Slow performance in production
(C) A network security breach
(D) A database backup failure

2. What tool does Hiroshi mention to identify patterns in errors?
(A) Cloud storage
(B) Firewall settings
(C) File compression
(D) Log aggregation

3. Why does Elena suggest starting a root cause analysis?
(A) To verify a stable network connection
(B) To reduce server costs
(C) To analyze recent configuration changes
(D) To improve office Wi-Fi

4. What is Elena's role in troubleshooting the issue?
(A) Checking unauthorized updates
(B) Restarting the servers
(C) Running an anti-virus scan
(D) Calling customer support

Part 3: Key Vocabulary Definitions in Japanese

1. **Monitoring (モニタリング)** – システムのパフォーマンスや動作を監視すること。

2. **Log Aggregation (ログ集約)** – システムログを収集して一元管理するプロセス。

3. **Alerting (アラート通知)** – システムの異常を検知し、自動で通知を送る仕組み。

4. **System Health (システムの健全性)** – システム全体の安定性と正常な動作の状態。

5. **Root Cause Analysis (根本原因分析)** – 問題の根本的な原因を特定するための分析手法。

Part 4: Questions & Correct Answers

1. **What issue are Hiroshi and Elena trying to resolve?**
   ✅ (B) Slow performance in production

2. **What tool does Hiroshi mention to identify patterns in errors?**
   ✅ (D) Log aggregation

3. **Why does Elena suggest starting a root cause analysis?**
   ✅ (C) To analyze recent configuration changes

4. What is Elena's role in troubleshooting the issue?

☑ (A) Checking unauthorized updates