Introduction to DevOps – **Quiz 03**

Total Questions: 5. <u>Attempt ALL</u>.

Time: 10 minutes.

Name:_____ **ERP ID:** _____

Marks Obtained	
	5

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1. **What is the KEY DIFFERENCE between monitoring and observability? [Select all that apply]**
    a. Monitoring is the when and what of a system error, and observability is the why and how.
    b. Monitoring is for development, while observability is for operations.
    c. There is no real difference, they are interchangeable terms.

2. **Observability tools can only collect data from applications, not infrastructure.**
    a. True
    b. False

3. **Service communication in a microservices architecture can be complex. How does a service mesh simplify this?**
    a. By managing service discovery and registration automatically.
    b. By providing a standard way to define security policies for microservices.
    c. By offering tools for centralized logging and monitoring of service interactions.
    d. All of the above

4. **Blue-green deployments are a popular strategy for minimizing downtime during application updates. How can a CI/CD pipeline be configured to automate a blue-green deployment? [Select all that apply]**
    a. By deploying the new version alongside the existing one and gradually shifting traffic.
    b. By rolling back to the previous version, if the deployment fails in the new environment.
    c. By doing in-place deployment i.e. bring up a new service and kill the old service.

5. **K8s has two main types of probes: Liveness and Readiness. Which type of probe determines if a container is unresponsive and needs to be restarted?**
    a. Liveness Probe
    b. Readiness Probe
    c. Startup Probe
    d. Both B and C