**B. Questions:**

1. List advantages of Cloud Computing?(Soft copy)

* Increased Collaboration.
* Quality Control.
* Disaster Recovery.
* Cost Savings.
* Security.
* Flexibility.
* Mobility.
* Insight.
* Automatic Software Updates
* Competitive Edge
* Sustainability
* Loss Prevention

2. Give some examples of AWS services to be used for Advanced DevOps?(Soft copy)

1. **AWS CodePipeline**: A fully managed continuous integration and continuous delivery (CI/CD) service that automates the build, test, and deployment of code changes.
2. **AWS CodeBuild**: A fully managed build service that compiles source code, runs tests, and produces artifacts for deployment.
3. **AWS CodeDeploy**: A service that automates application deployments to EC2 instances, Lambda functions, or on-premises environments.
4. **AWS Elastic Beanstalk**: An easy-to-use service for deploying and managing applications in various languages and frameworks.
5. **AWS Lambda**: A serverless compute service that allows you to run code without provisioning or managing servers.
6. **AWS CloudFormation**: It allows you to define and provision AWS resources using templates, enabling version-controlled and repeatable infrastructure deployments.
7. **Amazon ECS (Elastic Container Service)**: A fully managed container orchestration service that allows you to run Docker containers at scale.
8. **Amazon EKS (Elastic Kubernetes Service)**: A managed Kubernetes service that simplifies the deployment, management, and scaling of containerized applications using Kubernetes.
9. **Amazon CloudWatch**: A monitoring and observability service that provides metrics, logs, and alarms for AWS resources and applications.
10. **AWS X-Ray**: A service for analyzing and debugging distributed applications.
11. **AWS Identity and Access Management (IAM)**: A service for managing user access and permissions to AWS resources.
12. **AWS Secrets Manager**: A service for managing and rotating secrets securely, such as API keys, passwords, and database credentials, used in your applications.
13. **Amazon GuardDuty**: A threat detection service that monitors for malicious activity and unauthorized behavior within AWS accounts.
14. **AWS CloudTrail**: A service that enables auditing and monitoring of API calls made within an AWS account, providing visibility into resource changes and activity.















