IBM - Advanced Diploma on IT, Networking and Cloud Computing
ELECTIVE MODULE – 02 (PRACTICAL)

1. What are the main differences between API Gateway and API Connect in IBM Cloud?
2. How do you connect a web app to a Cloudant database hosted on IBM Cloud?
3. What is the purpose of AWS Lambda in a serverless architecture?
4. Describe the process of creating a Docker image and pushing it to AWS ECR.
5. How do you deploy a web application using Docker and Kubernetes on AWS?
6. What is the purpose of scaling a container application using AWS EKS?
7. Explain how to create a serverless function using IBM Cloud Functions.
8. What are the key benefits of using Kubernetes for managing containerized applications?
9. Describe the steps to create a DevOps toolchain for a cloud application.
10. What are the main components of a serverless architecture?
11. How can you integrate GitHub into a DevOps toolchain?
12. Explain the basic procedure to test a function in AWS Lambda.
13. What are the roles and permissions required for setting up an AWS EKS cluster?
14. What is CI/CD, and why is it important in DevOps?
15. How do you set up a connection between an on-premises server and a MongoDB Atlas database hosted in the cloud?
16. Explain the process of setting up a build and test stage in a DevOps pipeline.
17. How do you set up a continuous deployment pipeline for a Cloud Foundry application on IBM Cloud?
18. How can you use API management services to create and manage APIs?
19. Describe the steps involved in creating a Lambda function in AWS.
20. What is the purpose of the Migration Toolkit for Application Binaries?

**YOU CAN FIND
STUDY MATERIAL
ON THE
BHARAT SKILLS PORTAL**

Visit: **bharatskills.gov.in**