<u>**Name:**</u>   <u>**Roll Number:**</u>   <u>**Circle your section:**</u> **BDS-7A | BCS-9A**

*****   WRITE BRIEF AND PRECISE ANSWERS. DO YOUR OWN WORK. DO NOT LOOK AROUND   *****

1. **Describe the benefits of AVD.   What is the role of Multi-session windows in AVD.**
2. **Briefly describe ACI. What container orchestration capabilities are provided by ACI?**
3. **Compare VM vs Containers**
4. **What is the purpose of control plane and nodes in AKS?**

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1. **Briefly describe the benefits of App Services.**
2. **What are the components of AKS Cluster? Briefly describe their purpose.**
3. **Describe the benefits of AVD.   How does it ensure that no data is left behind?**
4. **Describe the fundamental differences between virtual machines and containers and their respective usage.**

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1. Describe container groups and their usage in ACI. What object in Kubernetes provides similar capabilities?
2. Compare virtual machines and containers. Write down the orchestration capabilities provided by Kubernetes.
3. Briefly describe Azure Functions. What is the purpose of serverless compute in Functions.
4. What are the common types of application that can be hosted in App Services?