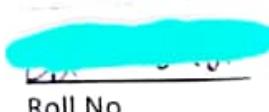


Intro to Cloud Computing

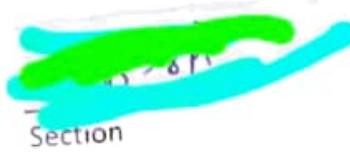
(CS4037) BDS8A

Date: April 9th, 2025

Course Instructor(s): Ali Khawaja



Roll No



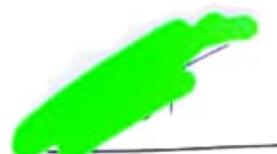
Section

Sessional-II Exam

Total Time (Hrs.): 1

Total Marks: 100

Total Questions: 7



Student Signature

Do not write below this line

Attempt all the questions. Provide concise and brief answers.

CLO 1. Apply cloud computing knowledge in various real world use cases (situations)

Q1: How do Tags help in: (10 Points)

- Workload Optimization and automation
- Governance & regulatory compliance
- How can enforce tagging rules to be applied during creation of resources?

CLO 2. Apply cloud computing knowledge in various real world use cases (situations)

Q2: Resource Locks (10 Points)

- What is the purpose of resource locks?
- Briefly describe the type of resource locks available in Azure.
- How can you modify a locked resource?
- How can an administrator disallow modification of resources once they are properly configured?
- How can an administrator disallow deletion of resources while allowing any updates?

CLO 1. Describe the basics of cloud computing and related services

Q3: Azure Arc (10 Points)

- Briefly and concisely provide the purpose of Azure Arc.
- Name three resource types that can be managed by Azure Arc.
- Briefly list 2-3 services provided by Azure Arc

CLO 2. Apply cloud computing knowledge in various real world use cases (situations)

Q4: Azure Resource Manager (10 Points)

- Briefly describe ARM
- Mention 2 benefits of ARM Templates.

c. What is the difference between bicep file and an ARM template?

CLO 2. Apply cloud computing knowledge in various real world use cases (situations)

Q5: Monitoring in Azure (20) ✓

- a. Which is the key monitoring platform in Azure?
- b. What is the role of Azure Log Analytics in this monitoring platform?
- c. Which functionality allows an administrator to be notified of any issue being detected?
- d. What feature allows you to take corrective action once an issue is detected?
- e. For application monitoring in Azure environments, mention some of the information that is available through application insights.

CLO 2. Apply cloud computing knowledge in various real world use cases (situations)

Q6: Azure Advisor (10) ✓

- a. What is the purpose of azure advisor?
- b. Name any 3 categories of recommendations by Azure Advisor along with brief explanations.

CLO 2. Apply cloud computing knowledge in various real world use cases (situations)

Q7: Azure Service Health. Briefly explain the following 3 services: (20)

- a. Azure Status
- b. Service Health
- c. Resource Health