

Sent No: AF25639

Enrollment No: 2303051051232

**PARUL UNIVERSITY**  
**FACULTY OF ENGINEERING & TECHNOLOGY**  
**B.Tech. Summer 2023 - 24 Examination**

Semester: 2

Subject Code: 303105153

Subject Name: Global Certifications - Fundamentals (Azure, AWS, GCP)

Date: 03/06/2024

Time: 2:00 pm to 4:30 pm

Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Objective Type Questions - (Fill in the blanks, one word answer, MCQ-not more than five in case of MCQ) (All are compulsory) (Each of one mark) (15)**

- 1) Which of the following does help to enforce organizational standards and to assess compliance at-scale.  
☒ a. RBAC  
☐ b. R-Lock  
☐ c. Reservation  
☐ d. Azure Policy
- 2) Which cloud security measure involves encoding data to prevent unauthorised access?  
☒ a. Encryption  
☐ b. Authentication  
☐ c. Authorization  
☐ d. Firewall
- 3) What is the process of determining whether a user or app is permitted to access a service or resource or not called?  
☐ a. Authentication  
☒ b. Authorization  
☐ c. Both A and B  
☐ d. None
- 4) At what level/levels can you apply Azure Resource Lock?  
☐ a. subscription  
☒ b. resource group  
☐ c. individual resource  
☐ d. All of the above
- 5) What does SLA refer to in Azure?  
☒ a. Agreements  
☐ b. Lifecycle  
☐ c. Maintenance  
☐ d. Standards
- 6) Azure data centers are located only in a single region for each country. **True or False**
- 7) Azure Service Health is a collection of services that keep you informed of general Azure status, and service status that may impact you. **True or False**
- 8) Azure Monitor maximizes the availability and performance of applications and services by collecting, analyzing, and acting on telemetry from cloud and on-premises environments. **True or False**
- 9) Azure Active Directory (Azure AD) is used to manage and authenticate users who access Azure resources. **True or False**
- 10) Azure Local, redundancy storage account, offers 99.999999999 (11 Nine's). **True or False**
- 11) What is the term used for the ability to increase or decrease resources?
- 12) What type of Azure subscription allows customers to pay for services on a monthly basis with no upfront commitment?
- 13) What service in Azure provides centralized identity and access management?

14. Which Azure subscription provides access to a wide range of Azure services with the flexibility of paying only for actual use?
15. What document outlines Microsoft's uptime guarantees for Azure services?
- Q.2 Answer the following questions. (Attempt any three)** (15)
- A) What does Azure AD do?
- B) What are the differences between Azure Load Balancer and Traffic Manager?
- C) Explain IaaS, PaaS, and SaaS models in cloud computing and its Characteristics.
- D) Explain the different types of subscription options available in Azure.
- Q.3** A) What are the differences between different cloud models? (07)
- B) Optional: Explain the concept of cloud computing and its key characteristics. (08)
- OR
- B) Optional: Write down the difference between Availability Zone (AZ) and Availability Set (AS). (08)
- Q.4** A) Optional: What are the advantages of choosing cloud computing? (07)
- OR
- A) Optional: Explain the advantages of Azure Resource Manager (ARM) templates. (07)
- C) Compulsory: What are the benefits of the Azure Resource Manager? (08)

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