

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech Mid Semester Exam

Semester: 2nd

Subject Code: 303105153

Subject Name: Global Certifications - Fundamentals (Azure)

Date: 05/04/2024

Time: (1hr: 30min)

Total Marks: 40

Sr. No.		Marks
Q.1	(A) Five One line Questions a. What are some key aspects of Azure security features? b. Which cloud model offers the most control over security and customization? c. Give an example of a PAAS offering. d. Define identity and access management. e. What kind of databases does Azure SQL Database host?	05
	(B) Five Fill in the blanks a. _____ is responsible for managing user identities and controlling access to Azure resources. b. IAAS stand is _____. c. Azure SQL Database is a fully managed _____ database service. d. _____ provides virtualized computing resources over the internet. e. Cloud computing means _____.	05
Q.2	Attempt any four(Short Questions) (1) What are the main challenges associated with adopting cloud computing? How can businesses address these challenges to ensure successful cloud migration? (2) Explain the concept of Azure Functions and provide examples of scenarios where they are used. (3) Describe Azure App Services. What types of applications can be hosted on Azure App Services, and what are the key features of this platform? (4) Compare and contrast cloud-native applications with traditional applications. (5) Describe the features and capabilities of Azure SQL Database. How does Azure SQL Database differ from traditional SQL Server deployments, and what are its benefits for businesses?	12

Q.3 Attempt any two questions

(1) What are the key differences between public, private, and hybrid cloud models? Discuss their respective advantages and disadvantages. 08 ✓

(2) How does Azure implement encryption to ensure data security in transit and at rest?

(3) How does Azure Active Directory enhance identity and access management in cloud environments?

Q.4 (A) Briefly explain the types of cloud services, highlighting their advantages and disadvantages 05

(C) What are the differences between Azure Blob Storage, Azure File Storage, and Azure Disk Storage? 05

OR

(B) How does Azure Confidential Computing enhance data confidentiality and privacy in the cloud? 05 ✓

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