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

Semester: 6

Subject Code: (203105221)

Subject Name: Cloud Computing Security

Date: (02/02/2024)

Time: (1hr: 30min)

Total Marks: 40

Sr. No.		Marks
Q.1	(A) Five One line Questions	05
	1) What is SaaS?	
	2) Define Latency in terms of performance in cloud?	
	3) Define CI/CD tools.	
	4) What are Docker Images?	
	5) Define any one solution for container security?	
	(B) Five Fill in the blanks	05
	1) _____ is a software platform that allows you to build, test and deploy applications.	
	2) _____ refers to sharing all hardware resources while running several operating systems on a single machine.	
	3) _____ cloud is accessible only within a specific organization's network or to authorized users.	
	4) _____ refers to how well a software application performs in terms responsiveness, resource utilization, and overall efficiency.	
	5) _____ refers to the methods, practices, and technologies organizations use to restore data and IT access after a technology-related disaster.	
Q.2	Attempt any four (Short Questions)	12
	(1) Differentiate between the public cloud and private cloud.	
	(2) Describe the use cases of containers in the cloud.	
	(3) Explain Disaster recovery plan.	
	(4) What is application availability and define its key considerations.	
	(5) Explain the challenges of the cloud architecture.	
Q.3	Attempt any two questions	08
	(1) Explain next-generation cloud architecture.	
	(2) Difference between the virtual machine and Docker with an example.	
	(3) Describe types of cloud service.	
Q.4	(A) Explain the docker with a diagram and explain how does it work.	05
	(B) Design container architecture with a diagram.	05
	OR	
	(B) List down and explain the benefits and challenges of cloud architecture.	05