
Question Paper consists of Part-A and Part-B
Answer ALL the question in Part-A and Part-B

PART-A (10X2 = 20M)

		Marks	CO	BL
1. a)	Illustrate Cloud Computing at a glance			
b)	Define cloud deployment models?	(2M)	CO1	2
c)	Discuss Service-Oriented Architecture (SOA)	(2M)	CO1	2
d)	Difference between parallel computing and distributed computing in cloud systems.	(2M)	CO2	3
e)	Define Amazon EC2	(2M)	CO3	2
f)	Illustrate Docker Swarm	(2M)	CO3	3
g)	Discuss cloud interoperability	(2M)	CO4	2
h)	Demonstrate federated clouds	(2M)	CO4	3
i)	Explain serverless platforms?	(2M)	CO5	3
j)	Define edge computing and fog computing.	(2M)	CO5	3

PART-B (5X10 = 50M)

2a.	Explain different types of cloud services such as IaaS, PaaS, and SaaS with suitable examples.	(5M)	CO1	2
b.	Explain the concept of utility computing and its role in cloud environments.	(5M)	CO1	2
OR				
3	Describe the Cloud Computing Reference Model and explain its architecture.	(10M)	CO1	2

4.	Discuss Inter-Process Communication (IPC) methods used in distributed systems.	(10M)	CO2	3
(OR)				
5.	Explain Remote Procedure Calls (RPC) and their role in distributed computing.	(10M)	CO2	3

6.	Describe the taxonomy of virtualization techniques used in cloud computing.	(10M)	CO3	3
(OR)				
7.	Describe container platforms such as <ul style="list-style-type: none"> • Linux Containers (LXC) • Docker 	(10M)	CO3	3

8.	Explain the cloud shared responsibility model.	(10M)	CO4	2
(OR)				
9.	Describe the cloud security architecture and its components.	(10M)	CO4	3

10.	Demonstrate Function-as-a-Service (FaaS) and its role in cloud computing.	(10M)	CO5	3
(OR)				
11.	Describe the role of DevOps in cloud computing environments.	(10M)	CO5	2

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