22MCA3E2BL

Sl. No.

M.C.A. III Semester Degree Examination, April/May - 2024
CLOUD COMPUTING
(NEP)

Time : 3 Hours　　　　　　　　　　　　　　　　　　　Maximum Marks : 70

*Note : Answer **any five** of the following questions with question **No.1 Compulsory**.*

1.	(a)	Briefly explain the different types of cloud deployments in cloud computing.	**7**
	(b)	List advantages and disadvantages of cloud computing.	**7**
2.	(a)	Enumerate and elaborate on the principal characteristics of Virtual Appliances in the context of Cloud Computing.	**7**
	(b)	How do workloads in Infrastructure as a Service(IaaS) operate within the domain of cloud computing ?	**7**
3.	(a)	Elaborate on the function of System Metrics within Cloud Computing.	**7**
	(b)	Define virtualization in the context of Cloud Computing, and discuss its role in optimizing resource management.	**7**
4.	(a)	Briefly discuss the role of Service Catalogs in a large Service Oriented Architecture.	**7**
	(b)	Explain various SOA management tools that are essential to monitor, optimize, and ensure the smooth operation of SOA services and applications.	**7**
5.	(a)	How does the concept of Storage location and tenancy in Cloud Computing impact data security, performance and regulatory compliance ?	**7**
	(b)	Explain the importance of Establishing Identity and Identity management in the context of Cloud Computing.	**7**
6.	(a)	Explain how Composability enable the creation and management of tailored IT solutions to meet specific business needs.	**7**
	(b)	What is the significance of the LAMP solution stack in Cloud Computing, and how does it facilitate the creation and deployment of web applications ?	**7**
7.	(a)	How does Service Oriented Architecture facilitate the design, deployment and interaction of various services within the cloud environment ?	**7**
	(b)	How does Encryption play a crucial role in enhancing the security of data in Cloud Computing ?	**7**
8.		Write a short note on the following :	
	(a)	Wienman's Laws of Cloudonomics	**5**
	(b)	IaaS	**5**
	(c)	Security Risks	**4**

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