



BRAINWARE UNIVERSITY

Library
Brainware University
398, Ramkrishnapur Road, Barasal
Kolkata, West Bengal-700125

Term End Examination 2024-2025
Programme – B.Tech.(CSE)-DS-2021/B.Tech.(CSE)-DS-2022
Course Name – Cloud Computing
Course Code - PEC-CSD501C
(Semester V)

Full Marks: 60 [The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]					
1.	Group-A (Multiple Choice Type Question) Choose the correct alternative from the following:		1 x 15=15		
(i)	Select the term NIST represent is				
	a) Network Infrastructure and Security Testing	b) National Institute of Standards and Technology			
(ii)	 c) National Intelligence and Security Technology State the full form of SLA. 	d) New Information Systems Technolog	у		
(iii)	a) setup level agreementc) Service level agreementIdentify the primary concern related to cloud cor	b) Sale level agreement d) software level agreement			
	 a) Scalability c) Data privacy and protection Recognize the cloud computing characteristic that resources up or down based on demand. 	b) Cost Management d) Network Bandwidth			
(v)	a) Rapid elasticityc) Resource poolingExpress the primary goal of Inter Cloud computir	b) On-demand self-service d) Measured service ng.			
	a) Isolation of cloud services	b) Seamless integration and interoperal between different cloud providers	bility		
	c) Limiting cloud access to specific users Identify the programming languages those are su	d) Reducing cloud storage costs			
	a) Python, Java, and Go				

(3)

(vii) Choose the purpose of festing under Control in cloud computing.						
	 a) To ensure software testing is conducted in a controlled environment. 	b) To prevent unauthorized access to c services.	loud			
	c) To monitor cloud server performance.	d) To test cloud-based applications und various conditions.	der			
(viii)) Show the meaning of a cloud broker in the context of the cloud ecosystem					
	 a) An intermediary service that assists with cloud service selection and integration. 	b) A cloud-based currency exchange pl	atform.			
	c) A type of cloud-based social networking site.	 d) A cloud-based customer relationship management tool. 	D			
(ix)	x) Choose the correct cloud application used for analyzing electrocardiogram data					
(x)	a) Satellite Image Processingc) Social NetworkingIdentify the cloud application that is primarily use	b) CRM and ERP d) ECG Analysis in the Cloud d for managing business processes.				
	a) Social Networking c) ECG Analysis Identify the primary goal of Market-Based Manag	b) CRM and ERP d) Protein Structure Prediction				
	 a) To reduce operational costs for cloud providers c) To enforce security policies across cloud environments Identify the key component of the Cloud Federati across multiple clouds. 	 b) To optimize resource allocation and based on market demand d) To manage customer relationships in cloud market 	the			
(xiii)	a) Identity Management c) Data Fabric Choose the correct characteristic of Federated Clo	b) Service Orchestration d) Network Management ouds.				
	a) Managed by a single provider	b) Involves the collaboration of multiple providers	e cloud			
	c) Limited to private organizations	d) Requires specialized hardware for implementation				
(xiv	Select the service model in the cloud reference m to build, deploy, and manage applications.	odel that provides developers with tools	i			
(xv)	a) Infrastructure as a Service (laaS)c) Software as a Service (SaaS)Select the primary use of Cloud Analytics in busin	b) Platform as a Service (PaaS) d) Networking as a Service (NaaS) esses.				
	a) Managing virtual desktopsc) Analyzing large datasets to derive actionable	b) Automating business processes d)				
	insights	Providing cloud storage solutions				
	Group-B					
	pe Questions)	3 x 5=15				
 Discuss the significance of resource pooling in cloud computing. Recall the concept of multi-tenancy in cloud computing. Explain Cloud Analytics. Represent how is Policy Implementation crucial in cloud security? 						

OR

6. Justify the significance of standards such as OAuth and OpenID Connect in Cloud Federation.

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Review the role of API (Application Programming Interface) standardization in Cloud Federation.	(3)	
Group-C (Long Answer Type Questions) 7. Inspect the act	5 x 6=30	
Management of Clouds. Explain Cloud Governance, and its importance in cloud computing. Illustrate the benefits of Virtualization technology in cloud computing. Develop the impact of cloud computing on data security and privacy.	(5)	
	(5)	
	(5) (5)	
12. Revise the role of Third Party Classic	(5)	
12. Revise the role of Third Party Cloud Services in enhancing the security and functionality of cloud-based applications.	(5)	
OR Develop the concept of Cloud Bursting and its significance in cloud computing.	(5)	
