

QP Code

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 Register Number

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VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution, Affiliated to Anna University, Chennai)

Semester Examinations – April / May 2017 Regulations-2016

Programme: M.E-CSE Semester: 2 Max. Marks: 100 Duration 3 Hrs

Course Code & Title: **16CPT24 CLOUD COMPUTING**

Knowledge Levels (KL)	K1 - Remembering	K3 - Applying	K5 – Evaluating
	K2 - Understanding	K4 – Analyzing	K6 – Creating

Part A - Answer ALL Questions. 10 x 2 = 20 Marks

No.	Question	KL
1.	Define cloud computing.	K1
2.	How does cloud computing provides on – demand functionality?	K3
3.	What are the types of cloud?	K2
4.	Compare the virtualized resources in AWS, Microsoft Azure and GAE.	K2
5.	What are the benefits offered by global exchange of cloud resources?	K1
6.	State the effect of horizontal scaling in cloud computing.	K2
7.	What are the modules does apache Hadoop library includes?	K1
8.	What is mean by virtualization?	K2
9.	How does the cloud computing is more trusted than other environment?	K4
10.	What are the server security issues?	K2

Part B - Answer ALL Questions. 5 x 13 = 65 Marks

No	Question	Marks	KL
11.	a Describe the cloud computing stack model with various services provided by the cloud to the end user.	13	K1
OR			
	b i. Summarize the various challenges & obstacles that cloud computing faces.	6	K4
	ii. Describe the service level agreements & licensing for cloud computing services.	7	K2
12.	a Explain the various implementation levels of virtualization.	13	K3
OR			
	b Describe the effects of virtualization process on formation of cloud clusters and its resource management.	13	K4

13.	a	i.	Discuss about the various challenges during architectural design.	5	K4
		ii.	Explain about layered cloud architecture.	8	K2
OR					
	b		Elaborate process of Inter cloud resources management.	13	K2
14.	a		Explain any one parallel and distributed programming paradigm in cloud computing.	13	K2
OR					
	b	i.	What are the programming supports of Goggle App Engine?. Explain Google file system.	8	K4
		ii.	Explain any two emerging cloud software environments.	5	K5
15.	a		Describe the cloud security defense strategies and measures at different cloud service models.	13	K4
OR					
	b		Explain information security concerns associated with data storage and software protection techniques in cloud.	13	K4

Part-C

1 x 15 = 15 Marks

16.	a	i.	Describe the reputation system for protecting data centers or cloud user communities.	8	K3
		ii.	Discuss the challenges & risks involved in migration of applications into the cloud.	7	K4
OR					
	b		Discuss the server consolidation, virtual storage, OS Support & trust management in automated data center design	15	K5
