APJ ABDULKALAM TECHNOLOGICAL UNIVERSITY 08 PALAKKAD CLUSTER

Q. P. Code: 2EA181

(Pages:2)

Name

Reg. 10: Stripping

SECOND SEMESTER M.TECH. DEGREE EXAMINATION May 2018

Branch: CSE

Specialization: Computer Science and Engineering

08CS6052(A) CLOUD COMPUTING

Time:3 hours

Max.marks: 60

Answer all six questions.

Modules 1 to 6: Part 'a' of each question is compulsory and answer either part 'b' or part 'c' of each question.

Q.no.	Module 1	Marks	
1.a	Give an application of cloud computing?	3	
Answer b or c			
b	What are the important duties of a cloud broker? How does he fit in overall cloud environment?. Illustrate.	6	
c	Differentiate between SaaS, PaaS and IaaS	6	
Q.no.	Module 2	Marks	
2.a	What is shadow page table and how is it used in memory virtualization?	3	
· * 28 9	Answer b or c	1,44	
b	Give the applications of following tools:	6	
	(i)OpenVZ (ii)Xen (iii)Vmware ESX		
c	Explain about levels of Virtualization. Which level of virtualization is suited for hosting applications? Substantiate your answer	6	
Q.no.	Module 3	Marks	
3.a	Is disaster recovery in cloud possible using cloning of VMs? When is live migration of VMs used?	3	
Answer b or c			
b	What type of resource provisioning method would public cloud providers normally use to scale resource allocation with user's usage? Substantiate your answer.	6	
c	Analyse data lock-in, standardization and licensing problems with respect to cloud services.	6	

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Q.no.	Module 4	Marks
4.a	What is the significance of heartbeat and blockreport messages in Hadoop.	3
b	Answer b or c Compare and contrast Dryad and Hadoop map-reduce in terms of data flow during job	6
9		Branch: O
¢	Is it possible to run a map-reduce job in Hadoop without tasktracker? Susbstantiate your answer.	suod ⁶ cismi)
	to 6: Part 'a' of each onestion is compulsory and reswer either part 'b' or part 'c' of cach question	Madahak
Q.no.	Module 5	Marks
, sku	Nodure 1 Ma	Q.no.
5.a	Why is leasing important in GFS mutations?	vii: 4 p. j
	S and rever A	
	Answer b or c	dW d
b	Why is master in Google File system(GFS) a single poin t of failure? Withstanding that, what is its role in GFS?	vms 8
c	Discuss Amazon S3 as an object storage with illustration.	8 8
adus	Violuje 1 Mr.	Q.no.
Q.no.	at is shadow page table and here is a result in medianty withalization? 6 slubbom 6 sl	Marks
6.a	What can be some measures to ensure virtual machine security?	4
	lain accus fevels of Variastrones. Which level of constitution is suited for cosmag feations? Substitution your as the	
	Answer b or c	
, b	What can be some baseline security measures for SaaS?	8 .nat.{}
	seaser recovery in cloud position using cleaning of VMs2 When at live migration of VMs	Sa Isd
c	Why is secure software development lifecycle important in cloud (SecSDLC)? Analyse.	8
	Адзмет 6 от о	
	actype of resource provisioners, without would public of the grouders normally use to scale succession with aser's map ?" Substantially your answer.	
	the sectors lookein, sound, with and increasing evolvients with respect to cloud services	soA s