Total No	o. of Questions : 10] SEAT No. :
P3643	. ()
	[5560] 599
	T. E. (Information Technology)
	CLOUD COMPUTING
	(2015 Pattern) (Semester - II) (314453)
Tima · 1	2½ Hours] [Max. Marks : 70
	ions to the candidates:
1)	Answer Question 1 or 2, 3 or 4, 5 or 6, 7 or 8, 9 or 10.
2)	Figures to the right indicate full marks.
<b>Q1)</b> a)	List cloud enabling technologies. Explain any two in details. [4]
b)	Compare and contrast IaaS, SaaS, PaaS related to consumer activities and provider activities. [6]
<i>Q2)</i> a)	OR What is the difference between horizontal scaling and vertical scaling?[4]
b)	
<b>Q3)</b> a)	Write a short note on OpenStack Compute. [4]
b)	Compare KVM, XEN and VMW are work station.  OR
<b>Q4)</b> a)	Draw and explain programming environment of Google App Engine. [4]
b)	
<b>Q5)</b> a)	How are security policies and security mechanisms used to counter threats by threat agents? [8]
b)	Explain in Virtualization attack in detail with suitable diagrams. [8]

<b>Q6</b> )	a)	What is the role of a threat agent? List and describe three different threat agents. [8]	
	b)	What is hardened virtual server image? How is it used as a cloud server mechanism? [8]	
<b>Q</b> 7)	a)	Draw and explain architecture of NASA's Nebula Cloud. [8]	
	b)	Explain the concept of cloudlet. Differentiate between cloud and cloudlet.  [8]  OR	
Q8)	a)	Explain the concept of cloud mashup. Draw and explain architecture of	
		IoT. [8]	
	b)	Draw and explain architecture of Facebook platform. [8]	
<b>Q9</b> )	a)	What is a Docker? Draw and explain Docker deployment workflow.[10]	
	b) (	Explain key issues related to energy efficiency in cloud computing. [8]	
	V	OR	
Q10)	Exp	lain following concepts with diagrams [18]	
	a)	Autonomic cloud engine	
	b)	Multimedia cloud	
	c)	Jungle computing	7
		Jungle computing ** **	
		8.	
		6.	
		86.	