ROLL NO.	

Code: DC119 **Subject: CLOUD COMPUTING**

DiplETE - CS (New Scheme)

Time: 3 Hours	DECEMBER 2018	Max. Marks: 100
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PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.

The answer sheet for the Q.1 will be collected by the invigilator after 45 minutes of the commencement of the examination. Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks. Any required data not explicitly given, may be suitably assumed and stated.					
Q.1	Ch	ative in the following:	(2×10)		
	a.	Which of the following is essential (A) Reliability (C) Abstraction	concept related to Cloud?(B) Productivity(D) All of these		
	b.	Cloud computing is an abstraction by resources and presenting them as a (A) real (C) cloud	resource. (B) virtual (D) None of these		
	c.	Which of the following type of virticomputing? (A) Application (C) Storage	(B) CPU (D) All of these		
	d.	Which of the following will be host (A) VirtualLogix VLX (C) Microsoft Hyper-V	operating system for Windows Server? (B) Xen (D) None of these		
	e.	Which of the following is most imp (A) Security (C) Scalability	ortant area of concern in cloud computing? (B) Storage (D) All of these		
 f. Which of the architectural layer is used as front end i (A) Cloud (B) Soft (C) Client (D) All of these 		(A) Cloud	(B) Soft	oud computing?	
	g.	Communication between services is (A) SOAP (C) RESTFUL	s done widely using protocol. (B) REST (D) None of these		
	h.	is a cloud computing se in the cloud. (A) IaaS (C) PaaS	rvice model in which hardware is virtualize (B) CaaS (D) None of these	d	

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	i.	Which of the following is IaaS service provider?	
		(A) EC2 (B) EC1	
		(C) EC10 (D) Hybrid	
	j.	The most commonly used set of protocols uses as the messaging format.	
	J	(A) XML (B) JSON	
		(C) BSON (D) All of these	
		Answer any FIVE Questions out of EIGHT Questions. Each Question carries 16 marks.	
Q.2	a.	What is the role of Virtualization in Cloud Computing?	(6)
	b.	Explain Hardware as a Service in Cloud Computing.	(5)
	c.	What are the Limitations of Cloud Computing? Explain in detail.	(5)
Q.3	a.	How Cloud computing Applications help businesses?	(8)
	b.	What is Amazon EC2? Explain in detail.	(8)
Q.4	a.	What are the Security issues that come when you use Cloud Computing?	(8)
	b.	What is APIs? How it works? Explain with the help of one Example.	(8)
Q.5	a.	What is Security as a Service? Explain Security issues in it.	(6)
	b.	Explain REST and SOAP in detail.	(10)
Q.6	a.	What are the advantages of using Software as a service?	(8)
	b.	Which are the applications offered by Google for Saas?	(8)
Q.7	a.	How Google Gear help you in Development of offline Web Application?	(8)
	b.	What is VMware? How it helps to build cloud computing Environment?	(8)
Q.8	a.	List out the features of VMotion.	(4)
	b.	Explain in brief about Skytap Virtual Lab.	(6)
	c.	Which are the applications available for migrating the organization to the cloud?	(6)
Q.9	a.	Which are the available tools for checking cloud performance?	(8)
	b.	List out the components of the Service Cloud.	(8)