

Total No. of Questions: 6

Total No. of Printed Pages:3

Enrollment No.....



Duration: 3 Hrs.

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

Programme: B.Tech./B.Sc.

Branch/Specialisation: CSE All

Maximum Marks: 60

Marking Scheme

CS3EL12 / BC3EL05 Cloud Computing

Q.1	i. Cloud is a parallel and distributed computing system consisting of a collection of inter-connected and virtualised computers defined by-	1	iii. How to do ECG analysis using the cloud? Explain with a diagram.	3 marks	5
	(b) Buyya		2 marks		
	ii. The ability to apply a quantifiable methodology that allows for the basis of an adaptive introspection with in a real time infrastructure-		iv. Define cloud deployment model with suitable diagram and working.	2 marks	
	(c) Elasticity		Explanation	3 marks	
	iii. A group of separate hosts can be tied together and represented to guests as a single virtual host is called-		Diagram	1 mark	
	(c) Aggregation		Working	1 mark	
	iv. A service model in which data analytics and business intelligence (BI) processes take place on vendor-managed infrastructure rather than a company's on premise servers-				
	(c) Cloud analytics				
	v. A method of offsite data storage in which files, folders, or the entire contents of a hard drive are regularly backed up by a service vendor is called-		Q.3 i. How dual boot is different from virtualization? Explain it.	2 marks	
	(b) BAAS		ii. Write short note on-	8	
Q.2	vi. It involves replication and hosting of physical or virtual servers by the provider, to provide failover in the event of a natural disaster, power outage, or other disaster that affects business continuity.	1	(a) Cloud interoperability	4 marks	8
	(b) DRAAS		(b) Cloud broker	4 marks	
	vii. Which of the following service provider provides the least amount of built in security?		OR iii. Describe different component of cloud architecture with neat diagram.	6 marks	
	(c) IAAS			2 marks	
	viii. Which one is correct key security concept?				
	(d) All of these		Q.4 i. Differentiate VDI and DAAS.	3 marks	
	ix. _____ serves as a PaaS vendor within Google App Engine system.		1.5 marks for each difference		
	(a) Google		ii. How BAAS is useful for ease of recovery, affordability services in a cloud environment?	7	
Q.2	x. Which uses platform and software as a service?	1	OR iii. Lifecycle of SLA with suitable diagram and working.	7	7
	(a) AWS		Explanation	5 marks	
Q.2	i. Enlist and explain the requirements that need to be considered for cloud services.	2	Diagram and working	2 marks	5
	ii. Differentiate Software as a service and Platform as a service.				
	1 mark for each difference		Q.5 i. Explain cloud computing security architecture with neat diagram.	4	
			Explanation	3 marks	
			Diagram	1 mark	
			ii. List various security issues in cloud.	3 marks	
			Explain each of them with diagram example.	2 marks	
				1 mark	
			OR iii. Define the following in brief:	6	
			(a) Vulnerability assessment	3 marks	
			(b) IAM	3 marks	
			Q.6 Write short note on any two:		
			i. AWS	5	
			ii. Xen hypervisor	5	
			iii. Open stack	5	
