


Name:	
Enrolment No:	
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES	
End Semester Examination, July 2020	
Course: Cloud Architecture and Deployment Models	Semester: IV
Course Code: CSVT 2006	Time: 2hr
Programme: B.Tech-CSE+ IoT	
Max. Marks: 100	
Instructions:	

M C	What is the full form of NIST	National Institute of standards and Technologies	incorrect	National Institute of services and Technology	incorrect	National Institute of sales and Technology	incorrect	None of the above	correct
M C	According to NIST how many essential characteristics of cloud computing	either 3 or 5	incorrect	neither 4 nor 5	incorrect	all the above	incorrect	None of the above	correct
M C	Amazon web Service, Microsoft, IBM, Salesforce.com etc are not the example of	network access	incorrect	resource sharing	incorrect	on demand self service	incorrect	both 1 and 2	correct
M C	Storage, network bandwidth can be used by any number of customers and without knowing the exact location of that resource. This is the example of which service	Resource sharing	incorrect	on demand	incorrect	public	incorrect	None of the above	correct
M C	This service provide reports for both cloud brokers and consumers	Measured devices	incorrect	on demand	incorrect	all the above	incorrect	None of the above	correct
M C	What is a public cloud	A multi-tenant cloud environment accessed over the internet	incorrect	A cloud formation that cant be seen across the globe	incorrect	all the above	incorrect	None of the above	correct

M C	Which of the following acronyms refers to a software distribution model in which a cloud provider manages and hosts an app that users access via the intranet	IaaS	incorrect	PaaS	incorrect	SaaS	incorrect	None of the above	correct
M C	Which of the following tools does offer features to track and manage public cloud costs?	Vagrant	incorrect	RightScale	incorrect	Docker	incorrect	None of the above	correct
T F	A multi-cloud strategy is not the same as hybrid cloud	FALSE	TRUE						
T F	Open source tools cant be used to manage private and public clouds	FALSE	TRUE						
T F	Enterprises can physically ship their data to some private cloud providers to upload that data into the cloud.	FALSE	TRUE						
M C	Which of the following feature make cloud-based storage systems not reliable?	Redundant networks	incorrect	Redundant name servers	incorrect	all the above	incorrect	None of the above	correct
M C	A _____ is a logical unit that serves as the target for storage operations, such as the SCSI protocol READs and WRITEs	GETs	incorrect	PUN	incorrect	LUN	correct	None of the above	incorrect
T F	A logical unit number (LUN) is a logical drive that not represents a partition of a physical drive?	FALSE	TRUE						
M C	Which of these is a IDEAL cloud application property?	Automated Management	incorrect	Loose Coupling	incorrect	Both a and b	correct	all the above	incorrect

			ect		ect		ect		ect
T F	This service provide reports for both cloud brokers and consumers	FALSE	T R U E						
M C	Which of the following is a pattern layout?	Reading Layout	in c o r r e c t	Presentation Layout	in c o r r e c t	all the above	c o r r e c t	Writi ng Layo ut	in c o r r e c t
T F	Every pattern not describes aspects of the user group, the cloud runtime environment, or the cloud application.	FALSE	T R U E						
M C	Which of these steps includes the actual creation of a pattern document?	Pattern Language Design	in c o r r e c t	Pattern Language Revision	in c o r r e c t	Pattern Writing	c o r r e c t	None of the abov e	in c o r r e c t
M C	Resource replication is performed when an IT resource's availability and performance need to be _____.	Enhanced	c o r r e c t	Downgraded	in c o r r e c t	Kept constant	in c o r r e c t	None of the abov e	in c o r r e c t
M C	This ease of manipulation and replication of virtualization technology enables _____ agility in the migration and deployment of a virtual machine's new instances by being able to _____ scale out and up.	Decreased, slowly	in c o r r e c t	Increased, slowly	in c o r r e c t	Increase d, rapidly	c o r r e c t	all the abov e	in c o r r e c t
M C	_____ provides facilities as a properly combined and properly regulated stack along with its personal programming interfaces and middleware.	Integrated life cycle management	c o r r e c t	Anchored lifecycle platform	in c o r r e c t	all the above	in c o r r e c t	None of the abov e	in c o r r e c t

M C	The CCRA consists of the hardware platforms, including _____	The servers	c o r r e c t	Contrail FullStack software	in c o r r e c t	all the above	in c o r r e c t	None of the above	in c o r r e c t
T F	The CCRA in a regional POP contains only Contrail nodes and Contrail Service Orchestration nodes.	FALSE	T R U E						
T F	In a redundant installation there is not only one instance of database is created.	FALSE	T R U E						
T F	The Contrail Service Orchestration Node supports multiple VMs	TRUE	F A L S E						
T F	Anchored life cycle platform are not based on business logic at center of the approach	FALSE	T R U E						
M C	where does the service creatio tool reside in bss?	cloud service provider part.	in c o r r e c t	cloud service creator part	c o r r e c t	infrastru cture layer	in c o r r e c t	None of the above	in c o r r e c t
M C	where does pricing of cloud service does lies	BSS	c o r r e c t	cloud service integration tool	in c o r r e c t	transitio n manage r.	in c o r r e c t	API	in c o r r e c t
T F	Consumers have not control over the operating system and deployed applications	FALSE	T R U E						
M C	SLAs cover the	Storage	in c o r r e c t	Quality of service	c o r r e c t	Applicati on	in c o r r e c t	None of the above	in c o r r e c t
T F	Cloud consumer interacts with the cloud broker instead	TRUE	F A L						

	of contacting a cloud provider directly.		S E						
MC	Amazon Elastic Compute Cloud (EC2) is primarily considered which type of cloud computing model?	Software as a service (SaaS)	incorrect	Platform as a service (PaaS)	incorrect	Hardware as a service (HaaS)	incorrect	None of the above	correct
MC	What is a virtual server?	A virtual server is a server that not shares hardware and software resources with other operating systems (OS).	incorrect	A virtual server is a server that shares only hardware resources with other operating systems.	incorrect	all the above	incorrect	None of the above	correct
MC	What is the requirement of Resouce Replication in elastic disk provisioning Systems?	It converts Static thin-disk storage into Dyanmic thin-disk storage.	incorrect)It converts Dynamic thin-disk storage into static thin-disk storage.	incorrect	It converts Dynamic thin-disk storage into Dynamic thick-disk storage	incorrect	It converts Dynamic thin-disk storage into static thick-disk storage.	correct
MC	The function of automated management is	To ease the scaling and resiliency according to failures of application	incorrect	To react promptly to failures and not change resource demand	incorrect	To add and remove required resources during runtime	incorrect	None of the above	correct
MC	What is the full form of REST?	Resource Shared Transfer	incorrect	Reference State Transfer	incorrect	Reprentationa l State Transfer	correct	None of the above	incorrect
MC	_____ provides facilities as a properly combined and properly regulated stack along	Integrated life cycle management	correct	Anchored lifecycle platform	incorrect	Agile life cycle management	incorrect	None of the above	incorrect

	with its personal programming interfaces and middleware.				ect		ect		ect
T F	Hyperic a spring source division does offer cloud based monitoring environment as service	TRUE	F A L S E						
M C	Which of the following service does waveMaker provides?	Integration and configuration	c o r r e c t	Service management	in c o r r e c t	all the above	in c o r r e c t	None of the above	in c o r r e c t
T F	Cloud service providers make their offerings available as an on-demand, self-provisioning purchase.	TRUE	F A L S E						
M C	Non-disruptive is a system:	Responsible for creating and hosting multiple virtual servers. Because of this dependency, any failure conditions that affect a hypervisor can cascade to its virtual servers	in c o r r e c t	In which a pre-defined event triggers the duplication or migration of a cloud service implementation at compiletime, thereby avoiding any disruption in service for cloud consumers.	in c o r r e c t	Which establish a high-availability cluster of hypervisors across multiple physical servers.	in c o r r e c t	None of the above	c o r r e c t
M C	This mechanism is fundamental to the Non-Disruptive Service Relocation pattern in how it provides the storage required to host data pertaining to the virtual servers in a central location.	Hypervisor	in c o r r e c t	Cloud Usage Monitor	in c o r r e c t	all the above	in c o r r e c t	None of the above	c o r r e c t
T F	A system can be established whereby cloud service	FALSE	T R						

	redirection or relocation is not carried out at runtime by temporarily creating a duplicate implementation before the original implementation is deactivated or removed.		U E						
M C	Zero downtime deployments are much more easily achieved by using:	energy management platform	in c o r r e c t	project management platforms	in c o r r e c t	all the above	in c o r r e c t	None of the above	c o r r e c t
M C	Minimum requirement for a deployment architecture with more than one application server node	J2EE Deployment	in c o r r e c t	container management platform	in c o r r e c t	Application server	in c o r r e c t	None of the above	c o r r e c t
T F	If a old version needs a data upgrade or fix and it is dependent on the new code, then it can be part of the pre-deployment steps.	FALSE	T R U E						
T F	The pre-deployment steps will be executed decrementally before the actual deployment.	FALSE	T R U E						
T F	Cloud Hosting allows you to build your e-commerce presence as quickly as your business grows:	TRUE	F A L S E						
T F	Cloud-based architectures are disaster tolerant .A cloud-based platform with built-in redundancy can save the business from data profit:	FALSE	T R U E						
M C	Who experiences degraded	secondary pool	in c o	primary pool	c o r	all the above	in c o	None of the	in c o

	performance after resource borrowing		rr e ct		e ct		rr e ct	abov e	rr e ct
M C	Depending on cloud design (shared usage and available levels of capacity) concurrent access can lead to _____ condition	runtime exception	c o rr e ct	compile time exception	in c o rr e ct	all the above	in c o rr e ct	None of the above	in c o rr e ct
M C	Which of the following is not comes under SLA management?	Customer – based SLA	in c o rr e ct	Service – based SLA	in c o rr e ct	Provider – based SLA	c o rr e ct	None of the above	in c o rr e ct
M C	What does WSLA stands for?	Web Source Level Agreement	in c o rr e ct	Web Service Logic Agreement	in c o rr e ct	World Service Load Agreement	in c o rr e ct	None of the above	c o rr e ct
M C	“This mechanism may be required to ensure that the manner in which this pattern is carried out at runtime is in compliance with any related legal or policy requirements.” Which mechanism is this?	Audit Monitor	c o rr e ct	Cloud Usage Monitor	in c o rr e ct	all the above	in c o rr e ct	None of the above	in c o rr e ct
M C	Which of the following options is the advantages of Bare-metal Hypervisor?	Thin density, less Scalable, more secure, no paravirtualization	in c o rr e ct	Moderate density, less Scalable, less secure, no paravirtualization	in c o rr e ct	High density, highly Scalable , no host OS, paravirt ualisatio n	in c o rr e ct	None of the above	c o rr e ct
M C	Type-1 hypervisor provides what services?	Allow multiple computer operating systems to execute on the same computer hardware concurrently.	in c o rr e ct	Allow multiple computer operating systems to execute on the same computer hardware concurrently but before that one	in c o rr e ct	Allow single comput er operatin g systems to execute on the	in c o rr e ct	None of the above	c o rr e ct

				host OS must be installed.		same computer hardware concurrently.			
T F	Type 1 hypervisor or bare-metal hypervisor cant run directly on hardware as well as on a host OS as well.	TRUE	F A L S E						
M C	Which of the following network resources can be load balanced?	Connections through intelligent switches	in c o r r e c t	DNS	in c o r r e c t	all the above	c o r r e c t	None of the above	in c o r r e c t