

	Q.1) Which of the follow	wing service offers unl	imited storage space?	
	a) Adrive b)	4shared	c) Badongo	d) All of the mentioned
	<b>Explanation:</b> Badongo. opersonal content.	com is an online softwo	are service that enables	storage, management and publication of
	Q.2) Point out the corre			
	a) In a managed cloud sto		-	lemand
	<b>o)</b> Unmanaged Storage is	• • • • • • • • • • • • • • • • • • • •		
c)	mentioned			city available to users d) All of the
	<b>Explanation:</b> User pays	for the storage using a	a pay-as-you-go model i	n managed cloud storage.
	Q.3) Which of the follow	_	•	d) All of the proportion of
	•	•	c) Dropbox	d) All of the mentioned
	data.	iviaes online cioua stol	rage апа васкир solutio	ns for personal, business and enterpriselevel
	Q.4) Which of the follow	wing developer API is p	provided by FilesAnywhe	ere service ?
	a) FA	b) CA	c) BA	d) All of the mentioned
	<b>Explanation:</b> FilesAnyw	here is the creation of	Dallas-based software d	design and consulting firm, Officeware
	systems.			
	Q.5) Point out the wror	ng statement:		
	A. The most basic servi	ce that online storage	can serve is to provide of	<mark>disk space on</mark> demand
	B. The user may be abl	e to purchase addition	nal space for paid service	
	C. S3 is example of un	managed cloud sto <mark>rag</mark>	ge /	
	D. None of the mention	ned		
	Explanation: S3 is exam	iple of Managed <mark>cloud</mark>	storage.	
	Q.6) Which of the follow	wing service i <mark>s provide</mark>	<mark>d</mark> by Googl <mark>e for onlin</mark> e s	torage ?
	<b>a) Drive</b> b) S	kyDrive	c) Dropbox	d) All of the mentioned
	<b>Explanation:</b> Google Dr	ive is a file <mark>storage a</mark> nd	d synchr <mark>onization s</mark> ervice	e created by Google.
		_		rage as a Service (DaaS) to describe the
	delivery of storage on o		· · · · · · · · · · · · · · · · · · ·	
a	a) SNIA b) C		•	None of the mentioned
	<b>Explanation:</b> Others na	ve callea tnese types o	f system services Storag	e as a Service (STaaS).
_	Q.8) Which of the follow	wing are Managed clou	ud storage providers	
	a) EMC Atmos			
•	Amazon.com Simple St	· ·		
	c) IBM Smart Business Sto	orage Cloud		
a)	d) All of the mentioned			
	private storage cloud.	otn injrastructure ana	software offerings that	allow businesses to create and manage a
	Q.9) Which of the follow	wing is mainly focused	on backup and digital a	rchiving, not on storage hosting?
	a) Nirvanix	b) Iron Mountain	· · · · · · · · · · · · · · · · · · ·	
	•	•		enterprise information management service.
	Q.10) Which of the follo	owing offer direct com	petition to Amazon's S3	service ?



	a) Nirvanix <b>Explanation:</b> Unlike o	<b>b) Rackspace Cloud</b> ther cloud providers, Ro	c) Badong ackspace only offer		d) All of the ment utions.	ioned
	Q.11) Which of the fo a) Redundant networ c) Replication	ollowing feature make c oks	b) Redu	e systems highly Indant name se Indant mame se		
	•	can involve a system si	=		stored object's lo	cation.
	Q.12) Point out the co	orrect statement:				
a)	With Atmos, you can Atmos online	create your own cloud	l storage system o	r leverage a pul	blic cloud service	with
b)	) IBM is a major player	in cloud computing par	ticularly for busine	esses		
		the storage service prov			able to users d)	All of the
		ys for the storage using	a pay-as-you-go m	nodel in manage	ed cloud storage.	
	computing. a) lower	s to be implemented at  b) higher provides online cloud sto	c) middle	<b>(11) f</b> d):	all of the mention	ed
	data.					
	a) StorageGRID b)	ollowing can manage da DataGRID c) DiskG Orce policies and create	RID	d) All of th	over HTTP networ e mentioned <i>Exp</i>	
	Q.15) Point out the w	rong statement:				
a١		ts you create you <mark>r own</mark>	cloud storage			
-	•	oility Zones" wi <mark>thin regi</mark>		of systems tha	at are isolated from	n one another
		s (AWS) adds <mark>redundan</mark>			7	
		y, instances in different	availability zones s	shouldn't fail at	the same time.	
	Q.16) A is a READs and WRITEs.	a logical unit that serves	as the target for s	torage operatio	ons, such as the SC	CSI protocol
	a) GETs <b>Explanation:</b> In tradit label called a Logical (	b) PUN ional pooled storage de Unit Number.	<b>c) LUN</b> eployments, storage		All of the mention be assigned and p	
	Q.17) Which of the fo	ollowing use LUNs to de	fine a storage volu	me that appear	s to a connected o	computer as a
		b) iSCSI	c) Fibre Channel		d) All of the men	tioned
	<b>Explanation:</b> Unused	LUNs are the equivalen	t of a raw disk fron	n which one or i	more volumes ma	y be created.
		ollowing protocol is use	_	nd retrieving ob	-	d ?
	<b>a) OCCI</b> b) SMTP <b>Explanation:</b> Making	с) нтт cloud storage data disc		•		other protocol
	•	be assigned a unique ide		HELWOIR USII	.g	inc. protocor



	Q.19) Which of the follow container?	wing disk operatio	n is performed W	hen a tenant	is granted access to a virtual storage
	a) CRUD b) file system Explanation: Data stored	modifications I in a virtual stora		ioning be stored in o	
	Q.20) Which of the follo cloud?	wing standard cor	nnect distributed	hosts or tena	nts to their provisioned storage in the
	a) CDMI b) OC	MI	c) COA	d) All of the r	mentioned
	Explanation: CDMI stand	s for Cloud Data I	Management Inte	rface	
	Q.21)Which of the follow cloud solutions?	ving factors are de	eemed to be impo	rtant conside	erations for evaluating
a)	a) Seamless maintenance a	nd upgrades	b) Perfo	rmance char	acteristics
b)	<ul><li>Client self-service</li><li>Explanation: In addition</li><li>storage service provider in</li></ul>		rity-provisioned clo	_	o a client or service requester, a cloud
	Q.22) Point out the corre	ct statement:			A
a)	a) QoS levels may be applie	d to different ser	vices against a sin	gle virtual sto	orage container
b)	o) An SLA might specify tha terms of the I/O per seco		lity of Service (Qo	S) for a virtua	al storage container may be measured in
c)	<ul><li>c) To provide for scaling, a</li><li>d) All of the mentioned</li></ul>	virtual storage co	ntainer must be e	asily migrate	d from one storage system to another
	<b>Explanation:</b> One unique terms of performance an			ge solutions i	s that they permit rapid scaling, both in
	Q.23) How many categor a) 3 b) 4		st in cloud storage c) 5		None of the mentioned
	Explanation: Seven categ		xist for cloud store	age.	
	Q.24) Point out the wron	g statement:			
-	<ul><li>a) To scale in, the service in</li><li>b) To scale up, the service in</li></ul>				
-				-	the capability to scale up or scale out
d)	•	· ,	• •	•	ned storage for clients often allow for the le load-balancing services across different
	Q.25) Which of the follow	ving is not a backı	up category?		
	a) Full system backup		alf system backuj		
	c) Image backup <b>Explanation:</b> An image b	•	II of the mentione		
	<b>Explanation.</b> All image b	uckup creates a co	omplete copy of a	voiuille.	
	Q.26) Which of the followa) Point-in-time b) I	ving backup is als Differential	o referred to as sr c) Image back	•	d) All of the mentioned
	Q.27) Which of the follow	-			d) All =£46=
	a) Carbonite	b) Ghost	C) KUIFF	-BACKUP	d) All of the mentioned



## Cloud Computing and HPC Applications Question Bank

**Explanation:** An image backup allows a system to do what is referred to as a bare metal restore.

Q.28) Which of the following backu file that has been changed?	p lets you restore your data to a point in time and saves multiple copies of any
_	c) Reverse backup d) None of the mentioned <i>Explanation:</i>
At least 10 to 30 copies of previous	•
	to backup a system is referred to as its:
a) backup time b) backup sheet <b>Explanation:</b> The first backup is quit relatively fast.	c) backup window d) all of the mentioned te slow over an Internet connection, but the incremental backup can be
a) archive bit b) passi	used by backup software to specify whether a file should be backed up or not ve bit c) active bit d) all of the mentioned <i>Explanation:</i> ared when backup has copied the file.
Q.31) Point out the correct stateme	ent:
·	ctive system, you may need to stop all application
	an active system, you may need to stop all applications
Explanation: Full System backup is a	also referred to as a bare metal restore d) All of the mentioned also referred to as image backup.
0.32) Which of the following backu	ps are faster and more efficient from a storage perspective ?
a) Point-in-time <b>b) Incrementa</b>	
,	remental backups may be taken as temporary or scratch versions.
Q.33) Which of the following backu with the live version?	ps cr <mark>eates a ful</mark> l backup <mark>first and t</mark> hen periodically synchronizes the full copy
a) Continuous Data Protection	b) Open file backup
c) Reverse Delta backup	d) None of the mentioned
<b>Explanation:</b> The older versions of <b>f</b> backup exists.	<mark>iles that h</mark> ave been <mark>changed</mark> are archived so that a historical record of the
Q.34) Point out the wrong statemen	nt:
a) To scale out, the service must allow	y for stored data to span additional storage systems
b) The data is backed up, and then even incremental backup	ery so often changes are amended to the backup creating is referred to as an
c) A differential backup is related to a	a full system backup
d) None of the mentioned  Explanation: A differential backup is	
Q.35) Which of the following backu	p is used by Apple's Time Machine ?
a) Continuous Data Protection	b) Open file backup
c) Reverse Delta backup	d) Mirroring
<b>Explanation:</b> Software that uses revutility.	verse delta backup system is Apple's Time Machine and the RDIFF-BACKUP
Q.36) Which of the following backu	p create a cloned copy of your current data or drive ?

b) Open file backup

d) None of the mentioned

a) Continuous Data Protection

c) Reverse Delta backup



# **Cloud Computing and HPC Applications Question Bank**

**Explanation:** CDP is also referred to as mirroring.

Q.37) Which of the following backup s such as SQL Server?	systems are expensive and hi	ghly customized to	a particular application
a) Continuous Data Protection	b) Open file backup		
c) Reverse Delta backup	d) Data archival		
<b>Explanation:</b> Some applications such a	-	saging systems are	mission critical and cannot
be shut down before being backed up.			
Q.38) Which of the following is useful fo	or legal compliance or to prov	ide a long-term his	torical record ?
a) Continuous Data Protection		b) Open file backu	
c) Reverse Delta backup		d) Data archival	
<b>Explanation:</b> Data archives are often of	confused with backups.	•	
Q.39) Which of the following is used to data storage for retention?	o specify the migration of dat	ta that is no longer	in use to tertiary long-term
a) replicating b) sca	aling	c) archiving	d) all of the mentione
<b>Explanation:</b> You can't restore your cu	•	•	a) an or the mentione
Explanation For carrier escore your ca	Trent data set from an aremy		
Q.40) It is strength and	permeability.	MINT	
a) High, high b) Low	the contract of the contract o		d) Low, high
<b>Explanation:</b> It is specifically chosen so	· · · · · · · · · · · · · · · · · · ·		
structure such as high strength and lov		· · · /	
Q.41) "High Performance concrete wo	orks ou <mark>t to be ec</mark> onomical". Is	it true or false?	
a) True b) False			
Explanation: High Performance concre	ete <mark>works out</mark> to be eco <mark>nomic</mark>	<mark>al, e</mark> ven though its i	initial cost is high.
Q.42) "HPC is not used in high span br	idges". Is it true or false?		
a) True <b>b) False</b>			
<b>Explanation:</b> Major applications of <mark>hig</mark>		7 - 1	
been in the areas of long-span brid <mark>ges</mark>	<mark>, high-</mark> rise buildi <mark>ngs or str</mark> ucti	ures, highway pave	ments, etc.
Q.43) Concrete having 28- days' comp	prossive strength in the range	of 60 to 100 MPa	
a) HPC b) VHPC	c) OPC		) HSC
<b>Explanation:</b> High Performance Concre	•	•	
Explanation right cijormanee coner	ete naving 20 days compres	sive strength in the	range of oo to 100 mm a.
Q.44) Concrete having 28-days compr	essive strength in the range of	of 100 to 150 MPa.	
	o) VHPC c) OPC		) HSC
Explanation: Very high performing Co.		•	
		-	
Q.45) High-Performance Concrete is _	as compared to	o Normal Strength (	Concrete.
a) Less brittle b) Bri		ore brittle	d) Highly ductile
Explanation: High-Performance Concr	ete is more brittle as compar	ed to Normal Streng	gth Concrete (NSC),
especially when high strength is the m	ain criteria.		
Q.46) The choice of cement for high-s	=		ortar-cube tests but it
should also include tests of compressi	_		
a) 28, 56, 91 b) 28, 60, 9	• • •	•	30, 45, 60
<b>Explanation:</b> The choice of cement for		•	y on mortar-cube tests but i
CHALLA ALCA INCLUAD TOCTC AT CAMBROCCIL	<i>το</i> ετερηστής στ εση <b>εέρτο α</b> ξ. ΙΧ	Sh and UT dave	



a) Banking Organization

# **USM's Shriram Mantri Vidyanidhi Info Tech Academy**

Q.47) For high-strength concrapproximately MPa.		d produce a m	•	-
a) 10 <b>Explanation:</b> For high-strengt. approximately 30 MPa.	b) 20 h concrete, a cemen	t should produ	<b>c) 30</b> uce a minimum 7-d	d) 40 ays mortar-cube strength of
Q.48) mm non a) 9.5 and 10.5 b) 10.5 an <b>Explanation:</b> Many studies had optimum strength.	d 12.5	c) 9.5 and 1	12.5	d) 11.5 and 12.5
Q.49) Due to low w/c ratio a) It doesn't cause any proble c) Workability is easy	ms		b) It causes pro	
<b>Explanation:</b> Due to low w/c r	atio, it causes probl	ems so superp	d) Strength is i plasticizers are used	
Q50) Which is not a type 1 Hy	pervisor?			
a) VMware Workstation	b) KVM	c) H	Hyper-V	d) ESXi Server
Q51) Which is the most important a) It should be able to make upon b) It should be able to make upon c) It should be able to make upon d) It should optimize the use	se of maximum ban se of maximum p <mark>ro</mark> se of maximum <mark>sto</mark>	idwidth availa cessing power rage available	ble from the cloud r available from the from the cloud	cloud
Q.52) What is not provided by	/ Infrastructu <mark>re-as-a</mark>			
a) Storage c) Networking Components		d) Hardwar	e Development Too e systems	ls
Q53) What is true about the f a) The OS is aware that it is ru b) The Applications running v c) The OS is not aware that it d) <b>The Applications running</b> v	unnin <mark>g in a virtu</mark> alize vithin the virtualized is running in a virtu	ed en <mark>vironme</mark> d OS are award alized enviror	e that they are virtu nment	
Q54) What is not true about to a) The OS is aware that it is rub) The OS is not aware that it c) The OS Kernel needs modiful d) Para virtualization technic	unning in a virtualize is running in a virtu fications to support	ed environme alized enviror paravirtualiza	nment Ition technique.	ıll virtualization
Q55) Which benefit is related multitenant access to cloud so	ervices?	•		
a) Resource Pooling b)	On Demand Self Se	rvice c) N	Measured Services	d) Broad Network Access
Q56) Which essential character technologies?	eristics of the cloud	computing is	making organizatio	ns adopt private cloud
a) Resource Pooling	b) On Demand	d Self Service	c) Measured Servi	ces d) Broad Network Access
Q57) Which industry will be m	nost benefited with	the Platform-a	as-a-Service cloud?	



b) Health Care Organization

scalable, universally available system

# **USM's Shriram Mantri Vidyanidhi Info Tech Academy**

c) Software Development organ	ization.				
d) Manufacturing Organization					
e) All of the above					
Q58) Which model is designed to associated with moving into the		irst tool to he	p business evaluate t	the risk and opportunity	
a) James Cube Model	b) Microsoft Cu	ube Model	c) Cloud Cube Mod	del <b>d) Jericho's Cube Mode</b>	el
Q59) Which type of cloud is best	: suitable for end ບ	ısers?			
a) Infrastructure-as-a-Service			as-a-Service		
c) Platform-as-a-Service		d) Desktop-			
Q60) Which component of Microsoft	System Centre 20	12 provides a	workflow manageme	ent solution to automate the	2
creation, monitoring and deploy	-	-	_		-
a) Orchestrator - Answer	ment of resources		achine Manager		
c) Configuration Manager		d) Operation	-		
e, comgaration manage.		и, орогии.		1	
Q61) Which service of VMware \another physical server while the	and the same and the same and	7/10 / / ///	A set made to the settlement of made		
unaffected? a) Vshifter	b) Vreplicator		c) Vmotion	d) Vmigrato	~ ~
a) vsilitei	b) vieplicator		c) villotion	d) Vmigrato	ונ
Q62) Which is the most commor failure?	n techniquee <mark>used</mark>	to provide da	ta redundancy again	st any physical hard disk	
a) Redundant Array of Internal I	Disks	b)	Redundant Array of	Independent Disks	
c) Redundant Array of Backup Di		/ /	d) Redundant A		
Replicating Disks			dy reddinadire /	ardy or	
Q63) Which is the biggest advan-	tage of running R	on the cloud?			
a) Cloud provides a very high ba cloud.	W - A		A Comment of the Comm	rred easily to the	
b) Cloud provides a very high sto	orage space so tha	t huge amour	nt of data can be store	ed easily on the cloud.	
c) Cloud provides access to data	from any device a	anytime.			
d) As R is constrained to process	s data only big as	the RAM size	and cloud allows you	u to increase RAM to	
any					
amount and for required duration	on only.				
Q64) Which is not mentioned in	the new version o	f ISO 27001 a	s compared to the ea	arlier version of ISO 27001?	
a) Flow Charts			elphi cycle		
c) Gantt Charts D. Deming's PDC	A Cycle		relevant question. D	Pelete this question.	
Q.65) computing refe	ers to applications	and services	that run on a distribu	uted network using	
virtualized resources.		١.٥	6.	N.S. III.I	
a) Distributed	b) Cloud	c) So	oft (	d) Parallel	
Q.66) Point out the wrong state	ment :				
a) The massive scale of cloud co		was enabled b	y the popularization	of the Internet	
b) Soft computing represents a					
c) Cloud computing makes the lo	-	_			



d) All of the m	nentioned				
	as a utility is a drea			-	
a) Model	b) Computing	c) Softwai	re a)	All of the mention	onea
Q.68) Which	of the following is esse	ntial concept rela	ited to Cloud ?		
a) Reliability	b) Produ		Abstraction	d) All of th	e mentioned
<ul><li>a) All applicat</li><li>b) With cloud</li></ul>	out the wrong statemer tions benefit from dep computing, you can st puting is revolutionary,	loyment in the cl art very small and	d become big ver	•	<b>d)</b> None of the
0 70) Which (	of the following cloud o	oncent is related	to nooling and s	haring of resourc	res ?
a) Polymorph	_	•	Virtualization	_	None of the mentioned
a) Web Applic	b) Softwa of the following can be cations b of the following is Clou	identified as cloud) Intranet	c) Hadoop	d) All of the	e mentioned d) All of the mentioned
a) Azure	b) AWS		Cloudera	d)	All of the mentioned
Q.74) Cloud co as a a) real	_ resource.	tion based on the	e notion of poolir	ng physical resou	rces and presenting them  d) None of the mentioned
<ul><li>a) Abstraction</li><li>b) Virtualization</li><li>resource w</li><li>c) All cloud co</li></ul>	out the wrong statement on enables the key benet on assigns a logical nan when a request is made computing applications of e mentioned	Fit of cloud compo ne for a physical r e	esource and the	n provides a poir	nter to that physical gned on demand to users
Q.76) Which o	of the following type of b) Application	virtualization is a		c of cloud compu e mentioned	iting ?
() 77) The ter	chnology used to distrik	nute service ream	ests to resources	is referred to as	
a) load perfor	• .	cheduling	c) load bal		All of the mentioned
		Virtua	alization		

- 1. Point out the correct statement:
- a) A client can request access to a cloud service from any location
- b) A cloud has multiple application instances and directs requests to an instance based on conditions
- c) Computers can be partitioned into a set of virtual machines with each machine being assigned a workload d) All of the mentioned
- 2. Which of the following software can be used to implement load balancing?



a) Apache mod_balancer c) F6's BigIP		mod_proxy_balancer e mentioned		
<ul><li>3. Which of the following network res</li><li>a) Connections through intelligent sw</li><li>b) DNS</li><li>c) Storage resources</li><li>d) All of the mentioned</li></ul>		ed ?		
4. Which of the following is a more so	ophisticated load balancer	?		
a) workload managers	b) workspace manag	gers		
c) rackserve managers d) All of the mentioned				
5. An is a combination load by between a firewall or router.	alancer and application ser	ver that is a server plac	ced	
a) ABC b) ACD	c) ADC	d) All of the mention	oned	
~ .	ISSA _			
1. Which of the following is a virtual r systems?	machine technology now o	wned by Oracle that ca	n run various operating	
a) Vmachines b) Virtuall	Box c) ThoughtP	olice d)	None of the mentioned	
<ol> <li>Point out the correct statement:</li> <li>a) Jumplt is an open-source virtual applicance from c) Nearly all major virtualization platf All of the mentioned</li> <li>Which of the following lets a Webs</li> <li>a) WSDL</li> <li>b) VMc</li> </ol>	n one <mark>platform</mark> to another form vendors support OVF	is easy proposition notably VMware, Micr erms of a collection of e		
<ul><li>4. Which of the following is a specific</li><li>a) WS-Agent</li><li>b) WS-Dis</li></ul>		ry on a LAN ? /S-SOAP	d) All of the mentioned	
5. Point out the wrong statement : a) Cloud computing arises from service b) XML-RPC uses platform-independe c) SOAP uses JSON for its messages a 6 as a Service is a cloud of which applications may be build. a) Infrastructure b) Service	ent XML data to encode pro nd uses RPC and HTTP for computing infrastructure th	ogram calls that are train message passing d) No nat creates a developm	one of the mentioned	
7 is a cloud computing set a) laaS b) CaaS c)		vare is virtualized in the he mentioned	e cloud.	
8. Which of the following is fundament	ntal unit of virtualized clier	nt in an IaaS deplovmer	nt ?	
			All of the mentioned	
9. How many types of virtual private sa) one	server instances are partiti two c) th		All of the mentioned	



Cloud Computing and HPC Applications Question Bank

#### Extra MCQ

- 1) A large organization is considering a data integration project that will last six months. They are looking for a solution that will enable them to derive value from the complex information spread across their systems. The solution should profile, cleanse, and integrate the data across diverse sources (structured, unstructured, mainframe, and application sources) to deliver trusted information. Which IBM database server offering is best suited for this client scenario?
- A) IBM Informix Dynamic Server
- **B) IBM InfoSphere Information Server**
- C) IBM Lotus Domino Server
- D) IBM DB2 Enterprise Server
- 2) Which statement is true about the Platform as a Service cloud computing delivery model?
- A) It provides a virtual machine and storage so that computing platforms can be created.
- B) It provides the entire infrastructure along with a completed application that is accessible using a web based front end.
- C) It is required by the infrastructure as a service delivery model so that end user applications can be delivered on the cloud.
- D) It provides a runtime environment for applications and includes a set of basic services such as storage and databases
- 3) A company is currently using IBM LotusLive and would like their mobile users to have access to the instant messaging feature. How can this be accomplished?
- A) Mobile devices with a IBM Sametime Connect client can be configured to connect to the IBM LotusLive Sametime community.
- B) A Sametime gateway can be installed and configured to provide connectivity via the text messaging service available on mobile devices.
- C) Mobile users can install IBM LotusLive Engage on their mobile device.
- D) Supported client devices can be configured to use the IMAP IDLE protocol to support instant messaging with the IBM LotusLive servers.
  - 4) In addition to resource virtualization and consolidation, which three options provide a complete set of dynamic infrastructure capabilities?
  - A) Centralization of resources
  - B) Automated provisioning, service standardization and flexible infrastructure C) Product integration
  - D) Network virtualization
  - 5) When will cloud computing provide the most value?
- A) A company has several thoumcgds of documents that need to be indexed in many months.
- B) A company has purchased additional hardware in order to process their payroll activities faster at the end of each pay period.
- C) A company has to process their payroll actives at the end of each pay period in batch mode.
- D) A company has several hundreds of documents that need to be indexed in a few minutes.
  - 6) Which statement accurately describes how mobile devices are supported by the IBM LotusLive iNotes cloud offering?
- A) E mail can be pushed to devices using SMTP
- B) E mail can be accessed using the SOAP interface



### Cloud Computing and HPC Applications Question Bank

C) E mail can be pushed to devices using POP3 interfa	faces
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_ ,					
n	F mail car	n he niishe	d to devices	ιιςίησΙΜΙΔΡ	IDLE
•	E illali cal	i be pasiie	a to actices	using iiviai	IDLL

- 7) Which customer scenario best fits a deployment on a public cloud?
- A) A customer who is not too concerned about security control over their data, and the system load is almost a constant at all times.
- B) A customer who does not have the IT infrastructure to handle variable system load.
- C) A customer whose IT infrastructure is underutilized.
- D) A customer who deals with highly sensitive user information
  - 8) What are two common concerns in a cloud environment?
  - A) Running out of storage space and network bandwidth at peak usage times
  - B) Illegal access to private data stored by applications in the cloud and If two guest instances are running on the same host or on different hosts connected to the same physical ethernet, they should not be able to read or modify each other';s network traffic
  - C) Inability to use proxy servers and load balancers
  - D) Not enough computing capacity during peak usage times
  - requirements as needed without having to contact a human repersentative of the cloud provider? =

    A) Resource pooling

    B) On-demand self service

    C) Rapid elasticity

    D) Broad netwrok access
    - 10) Which Tivoli product migrates an operating system replica from RedHat KVM to VMware?

9) Which cloud characteristic refers to the ability of a suscriber to increase or decrease its computing

- A) IBM Tivoli Storage Manager
- B) IBM Tivoli Business Service Manager
- C) IBM Tivoli for Operating System Deployment
- D) IBM Tivoli Provisioning Manager for Images
  - 11) Which licensing model is supported for the IBM Smart Business Development and Test Cloud?

    A) Monthly Billing

    B) Bring Your Own

    C) Utility

    D) Credit Card
  - 12) Which IBM Cloud solution is differentiated by its focus on automating existing processes to increase efficiencies in enterprise data centers?
  - A) IBM Cloud Services Lifecycle Management
  - B) IBM Service Management Center for Cloud Computing
  - C) IBM CloudBurst
  - D) IBM Smart Business Storage Cloud
  - 13) In cloud computing, which term is used to describe the nature of IT infrastructure and allows dynamic scaling depending on the demand for resources?
- A) Clustering
- B) Consolidation
- c) Virtualization
- D) Elasticity
- 14) Which billing model allows companies to have a predetermined and recurring costs for services used in a cloud environment?
- A) Utility
- B) Resource based
- C) Subscription
- D) Metered
- 15) A company is considering a cloud environment to improve the operating efficiency for their data and applications. The company is part of an industry where strict security and data privacy issues are of the highest importance. Which type of cloud would be a good choice?
- A) Hybrid cloud
- B) Public cloud
- C) Governed cloud

D) Private cloud



## Cloud Computing and HPC Applications Question Bank

- 16) A large infrastructure as a service provider wants to allow users to provision new server capacity from a variety of different interface technologies. Which web technology should the service provider use to build an interface that users can leverage?
- A) The company should provide a proprietary remote API
- B) The company should provide an HTTP REST API
- C) The company should provide an XML RPC service
- D) The company should provide a command line interface
- 17) Which statement best describes the IBM Smart Business Storage Cloud offering?
- A) The performance of the IBM Storage Cloud is limited only by the performance of its fastest disk
- B) The performance of backups and file system scanning of the IBM Storage Cloud degrades significantly for very large systems due to long file system scan times
- C) The IBM Storage Cloud offers extreme performance and scalability and supports an unlimited storage under a single global namespace
- D) Automated data tiering and information life cycle management is available in the IBM Storage Cloud
- 18) A client wants to automate the on site design, deployment, and management of services such as middleware containers, applications, hardware, and networks from existing assets for development, test, and production. Which option would fit the client';s requirement?
- A) IBM WebSphere CloudBurst Appliance
- B) IBM Service Management Center for Cloud Computing
- C) IBM Tivoli Service Automation Manager
- D) IBM Smart Business Development and Test Cloud
- 19) A cloud service provider wants to provide storage as a service to users. The company is based in New York and operates its data center there. What should the company do in order to ensure high availability for the storage services they provide?
- A.) Instruct users to keep their own backups for the information they store
- B.) Build a data center in Chicago and backup user data there
- C.) Backup user data on removable media for off site storage
- D.) Build a data center in New York and backup user data there
- 20) What are two common areas of concern often expressed by customers when proposing a multi tenancy software solution compared to a single tenancy solution? (Choose two.)
- A) Less efficient use of computing resources
- B) Data privacy and Complexity to customize solution
- C) Higher costs
- D) Greater network latency
- 21) A cloud provider offers an environment for building applications that will run from the customer';s environment. Which cloud computing delivery model are they using?

A) Software as a Service

B) Development as a Service C)

Infrastructure as a Service

- D) Platform as a Service
- 22) A company gathers, stores, manages, and protects data as part of its business. How can it create business value from the data?
- A) Create a virtualized server infrastructure.
- B) Create a virtualized end user / client infrastructure.
- C) Create a virtualized information infrastructure.
- D) Create a virtualized application infrastructure.



- 23) What are some challenges that existing data centers face as they move toward supporting cloud computing?
- A) Storage capacity, data protection, and storage provisioning as instances accumulate and scale up
- B) Greater energy consumption for the same load of applications
- C) Acquiring new servers to support virtualization
- **D)** Increased IT labor costs to manager the cloud environment
  - 24) A company delivers Software as a Service that allows users to fill out and submit tax forms on line. What should the company do to accommodate the spike in demand on the date when the tax forms are due?
- A) Design a robust load balancing architecture that monitors application performance and routes request to application instances appropriately
- B) Monitor the system and lease additional hardware during the peak tax season
- **C)** Build the system according to peak demand requirements
- D) Build the system with high end hardware to ensure system performance
- 25) How does automation increase the effectiveness of an IT organization?
- A) It reduces costs by increasing asset utilization.
- B) It provides usage monitoring and cost allocation capabilities.
- C) It optimizes availability by maintaining configurations and managing changes to resources.
- D) It reduces the manual intervention needed for deploying and managing IT services.
  - 26) In which category of SaaS services does customer relationship management (CRM) software fall?
  - A) A) Consumer services
- C) Communication services
- B) Infrastructure services
- D) Business services
- 27) Which customer scenario is best suited to maximize the benefits gained from using a virtual private cloud?
- A) An enterprise that does not want to sacrifice security or make changes to their management practices but needs additional resources for test and development of new solutions.
- B) An enterprise that requires minimal security over their data and has a large existing infrastructure that is capable of handling future needs.
- C) A small start up business focused primarily on short term projects and has minimal security policies.
- D) An enterprise whose IT infrastructure is under utilized on average and the system load is fairly consistent.
  - 28) What would be used to satisfy a requirement for an on premises cloud installation?
- A) The IBM Smart Business Development and Test Cloud
- B) The IBM Smart Business Development and Test on the IBM Cloud
- C) IBM CloudBurst
- **D)** IBM CloudBurst for Development and Test
  - 29) Which product helps manage software license and compliance risk?
- A) IBM CloudBurst
- B) IBM Service Management Center for Cloud Computing
- C) IBM Tivoli Asset Management for IT
- D) IBM Tivoli Service Automation Manager
  - 30)A company interested in cloud computing is looking for a provider who offers a set of basic services such as virtual server provisioning and on demand storage that can be combined into a platform for deploying and running customized applications. What type of cloud computing model fits these requirements?
  - A) Platform as a Service

- B) Software as a Service
- C) Application as a Service
- D) Infrastructure as a Service



- 31) How is a business approval process related to a cloud computing environment?
- A) A cloud computing environment requires an expedited business approval process.
- B) A cloud computing environment can be implemented without a business approval process.
- C) A business approval process must be documented before implementing a cloud computing environment.
- D) A business approval process is required to deploy a cloud computing environment.
  - 32) Why is a defined approval process important for a cloud computing implementation?
  - A) It defines the authorization process for a cloud computing implementation.
  - B) If defines the authorization process for cloud computing provisioning.
  - C) It defines the access to a cloud computing resource.
  - D) It defines the responsibilities for the cloud computing environment.
  - 33) What is a common mechanism of communications among virtual machines running in a cloud environment?
  - A) A public IP address for each instance that is connected to a virtual private bridge.
  - B) A private IP address for each instance that attaches to the OS software ethernet bridge.
  - C) A private IP address for each instance that is connected to a virtual private bridge.
  - D) A public IP address for each instance that attaches to the OS software ethernet bridge.
  - 34) What is the definition of provisioning as an automated process related to cloud computing?
  - A) It handles computing resource management processes.
  - B) It adds security constraints to a cloud environment.
  - C) It moves data from one cloud to another.
  - D) It provides server consolidation capability.
  - 35) What benefits can be achieved by a small business adopting a cloud based solution with IBM Informix Dynamic Server?
  - A) It will provide a low cost, full function data server that delivers the highest OLTP performance and near hands free administration
  - B) It will enable data integration from disparate sources and deliver trusted and complete information at the time it is required and in the format it is needed
  - C) It will enable reporting, analysis, dashboarding, and scorecarding on a single service oriented architecture
  - D) It will enable capture and delivery of changed data from heterogeneous systems to support warehousing, MDM, SOA, e Business, and application migrations
  - 36) What are the common set of technologies used to create a manageable cloud environment?
  - A) A hypervisor, a hypervisor manager, self service portal, and an automated provisioning tool like IBM Tivoli Provisioning Manager
  - B) A hypervisor, a hypervisor manager, a self service portal, automated provisioning, and monitoring
  - C) A hypervisor and a hypervisor manager like Virtual Center or VMControl
  - D) A hypervisor, a hypervisor manager, automated provisioning, and monitoring
  - 37) Which cloud computing feature allows for server consolidation resulting in increased asset utilization and decreased data center energy needs?
  - A) Virtualization
- B) Provisioning
- C) Automation D) Governance
- 38) Which statement best describes the Software as a Service cloud delivery model?
- A) A virtual machine provisioned and provided from the cloud which allows the customer to deploy custom applications.



## Cloud Computing and HPC Applications Question Bank

- B) A multi tenant storage service provisioned from the cloud which allows the customer to leverage the cloud for storing software data
- C) A solution stack or set of middleware delivered to the client from the cloud which provides services for the design, development, and testing of industry aligned applications.
- D) An application delivered to the client from the cloud which eliminates the need to install and run the application on the customer';s own computers and simplifying maintenance and support.
- 39) What benefit can a retail organization gain by adopting a cloud based solution with IBM Cognos 8 Business Intelligence?
- A) It will provide a low cost, full function data server that delivers the highest OLTP performance and near hands free administration
- B) It will provide a powerful document management system with ready to use workflow and process capabilities to automate and drive their content related tasks and activities
- C) It will enable them to use reports, analysis, dashboards, and scorecards to identify and analyze trends and to respond to consumer buying needs and behaviors
- D) It will enable them to capture and deliver changed data from heterogeneous systems to support warehousing, MDM, SOA, e Business, and application migrations
- 40) What is a common trait of cloud architectures?
- A) It dictates monolithic application designs.
- B) It must use publicly accessible computing resources
- **C)** A fixed set of computing resources is pre allocated to each application.
- D) While in operation the application automatically scales up or down based on resource needs.
- 41) What is an advantage of building a private cloud infrastructure?
- A) An enterprise can reduce the cost from capital expenditures and IT infrastructure investment to an utility operating expense model.
- B) An enterprise can consolidate hardware, storage, and network by virtualizing resources to be more flexible, dynamic, and meet on demand requirements.
- C) A private cloud enables a business to reduce operating costs by having maximum control over the data and infrastructure.
- D) A private cloud enables a business to reduce operating costs by using their own IT department to manage computing resources
- 42) Which statement is true about a cloud computing environment? A)

It cannot be used to host location based applications.

- B) It introduces latency as the servers are geographically dispersed.
- C) It can improve a web server response time by having servers closer to the end user.
- D) It enables users to access systems regardless of their location.
- 43) How can IT resource consolidation and virtualization help companies deliver services? A) It reduces the network traffic.
- B) It scales applications better than traditional clustering of application servers.
- C) It creates more maintenance work but virtualization makes it easy to scale applications.
- D) It allocates computing resources more efficiently and reduces maintenance costs.
- 44) Which statement is true about a bare metal hypervisor? A)

It can only be hosted on an existing operating system.

- B) It requires a separate license for the native operating system.
- C) It has minimum functionality to support only one type of operating system.
- D) It runs directly on server hardware to provide virtual machines with timesharing resources.



IBM FileNet Content Manager

# USM's Shriram Mantri Vidyanidhi Info Tech Academy

# Cloud Computing and HPC Applications Question Bank

45) Which computing feature is A) Security	related to utility computing B) Virtualization	? C) Metering	D) Multi tenancy
46) What is one functionality of	IDM Tivoli Convice Automati	on Managor <sup>a</sup>	
A) Software discovery	B) Business serv		
•	D) Virtual serve	•	
C) Out of the box cloud solution	D) Virtual serve	rprovisioning	
47) When building data center of so that users are not negative examined?	vely impacted. What are the		-
A) Network latency and netwo			
Network routing information los	SS		
C) Network security			
D) Network buffer overflow rate			
48) A company would like to lev			
chat, and web conferences)	for its employees but does r	not have the H resources	to deploy such an
infrastructure.	TIMOREGO.	Chrotui	
Which cloud computing model w			
A) Virtual Private Cloud B)	Public Cloud	C) Hybrid Cloud	D) Private Cloud
49) Which business scenario is tenterprise that manages ser		-	- ·
B) An enterprise that is focused unpredictable.	l primarily o <mark>n short te</mark> rm pro	jec <mark>ts, and th</mark> e load on the	eir systems is highly
<ul> <li>C) An enterprise that is not too a constant at all times.</li> </ul>	concerned about control ov	e <mark>r their da</mark> ta, and the loa	d on their systems is almost
D) An enterprise that manages	sensitive data requiring ma	ximum control and does	not have enough
infrastructure capacity to hand			
50) Which is considered the mo	st widely used cloud comput	ing service?	
A) Infrastructure-as-a-Service (Ia	·	B) Communication-as-a-S	Service (CaaS) <b>C)</b>
Software-as-a-Service (SaaS)		D) Platform-as-a-Service	
51) Which delivery model is an o	example of a cloud computin	ng environment that prov	ides users access to virtual
machines?			
A) Infrastructure as a Service	e	B) Application as a Servic	e C)
Platform as a Service	D) Software as a Service	9	
52) An insurance company want view across claims, custome decisions. The	-		-
solution should help them bring	_	_	
scorecards, plans, and budgets.			•
quickly, maximize operational e	fficiency, and manage growt	h and product offerings.	Which IBM offering is best
suited for this client scenario?		D) IDM C	a lastallinas es a O
<ul> <li>A) IBM InfoSphere Replication S</li> </ul>	erver	B) IBM Cognos 8 Busines	s Intelligence C)

D) IBM InfoSphere Information Server



### Cloud Computing and HPC Applications Question Bank

53) A company would like to perform a product launch virtually in order to reach a larger audience and save costs. In addition to web conference services, the company is looking for automated e mail announcements, registration management, and summary/reports through multiple browsers and platforms. Which IBM offering can meet the needs of this company?

A)	<b>IBM</b>	LotusLive	<b>Events</b>
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- B) IBM Smart Business Cloud Conferences
- C) IBM Lotus Connections
- **D)** IBM Lotus Sametime Meetings

54)An enterprise needs highly controlled storage and access to their databases as well as managing the infrastructure for web front ends and other applications. They have a large existing IT infrastructure and they are continually expanding the capabilities. Which cloud computing model will satisfy all their current needs and enable them to reduce cost?

- A) Public cloud
- B) Private cloud
- C) Internal cloud
- D) Hybrid cloud

55) The IBM Smart Business Development and Test Cloud is used to evaluate, plan, design, and implement what type of environment?

- A) A dynamically scalable virtualized runtime cloud environment
- B) A dynamically scalable virtualized development and testing cloud environment
- C) A static runtime cloud environment
- D) A static development and testing cloud environment
- 56) Which concept aligns business and IT assets, helps provide flexible IT capacity, and provides real time allocation of IT resources in line with demand from business processes?

A) Elasticity

B) Virtualization

C) Automated management of resources

- D) Dynamic infrastructure
- 57) What is true about an application service provider?
- A) It delivers Communications as a Service.
- B) It delivers Software as a Service.
- C) It delivers Platform as a Service.
- D) It delivers Infrastructure as a Service.
- 58) What are the components of a cloud computing environment?
- A) Client, application, platform, infrastructure, server
- B) Application, presentation, transport, network, data
- C) Application, platform, infrastructure
- D) Client, application, session, network, data
  - 59) What are two traits of a cloud computing architecture? (Choose two.)
  - A) Client and server run in the same physical environment
  - B) On demand access to resources and internet/intranet accessible server C) Single tiered
  - D) Not scalable
  - 60) A company has decided to leverage the web conferencing services provided by a cloud provider and to pay for those services as they are used. The cloud provider manages the infrastructure and any application upgrades. This is an example of what type of cloud delivery model?
    - A) Platform as a Service

B) Infrastructure as a Service

C) Software as a Service

D) Application as a Service



### Cloud Computing and HPC Applications Question Bank

61) A company has implemented a cloud computing solution. After a request for the new environment is
approved, the provisioning process is manually initiated by a system administrator. How can the company use
automation to improve this process?

- A) By implementing an extension to the cloud environment.
- B) By sending an alert to a system administrator indicating that an environment needs to be provisioned.
- C) By provisioning the requested environment after the request approval without the need for manual intervention.
- D) By sending an alert to an approver indicating that a request needs attention.

62) A company wants to build a test environment to test software updates and new solutions. The environment
should mirror the production environment and be secure and inaccessible from outside the company network.
The company does not want to invest in infrastructure that may be idle for a significant amount of time. Which
cloud computing model will satisfy all these requirements?

A) Public Cloud B) Private Cloud C) External Cloud **D) Virtual Private Cloud** 63) Which two architectural features make the IBM Rational Jazz platform well suited for the IBM Smart Business Development and Test Cloud?

- A) TCP/IP
- B) Eclipse Modeling Framework
- C) Web User Interfaces and RESTful web services
- D) SOAP Services

64) A company that provides gift giving advice has leveraged collaborative services in a cloud computing environment to provide on line chat between its employees and customers. As the holiday season approaches, the company is able to easily increase the resources needed in the cloud environment. When the season has ended, the company is able to reduce the resource usage. This allows the company to effectively manage the required computational resources and thereby reduce costs.

What type of cloud computing billing model is this company using?

A) Monthly

- B) Subscription
- C) Utility
- D) Recurring
- 65) Which IBM products are included in the IBM Rational Automation Framework for WebSphere?
- A) IBM WebSphere Integration Developer, IBM Rational BuildForge
- B) IBM Rational Team Concert, IBM WebSphere CloudBurst Appliance
- C) IBM WebSphere Application Developer, IBM Rational Team Concert D) IBM Rational BuildForge, IBM WebSphere CloudBurst Appliance

66) What is a common design element often found in cloud architectures?

A) Synchronous web services

B) Asynchronous web services

C) Single tiered

D) Terminal emulators

- 67) What is the benefit of using automation techniques in conjunction with cloud computing?
- A) Automation allows for sharing of computer resources.
- B) Automation reduces costs by increasing asset utilization.
- C) Automation optimizes availability by maintaining configurations and managing changes to resources.
- D) Automation reduces human errors.
  - 68) Software as a Service is considered to be included in which cloud computing layer? A) Data B) Infrastructure C) Application D) Client
  - 69) What are two advantages of using the IBM Smart Business Development and Test Cloud?



### Cloud Computing and HPC Applications Question Bank

- A) Reduces short term software costs
- B) Improves quality through more accurate configurations and enhanced modeling and Assists in reducing capital and licensing expenses as much as 50 to 75 percent using virtualized resources
- C) No licensed software required
- D) Requires 35 to 45 percent less training than in house development
- 70) What is the name of the public cloud offering from IBM Rational?
- A) IBM Rational Collaborative Application Lifecycle Management Cloud
- B) IBM Smart Business Development and Test on the IBM Cloud
- C) IBM Rational Monthly SaaS
- D) IBM Rational Public Cloud
- 71) What is true about an application service provider? A.) It offers a computer infrastructure service.
  - B.) It offers Software as a Service.
  - C.) It offers access to the Internet.
  - D.) It offers metered service to the customer.
- 72) What is grid computing?
  - A.) It is parallel and distributed computing where computer infrastructure is offered as a service.
  - B.) It is parallel computing where autonomous computers act together to perform very large tasks.
  - C.) It is distributed computing where autonomous computers perform independent tasks.
  - D.) It is interconnected computing where a computing platform is delivered to consumers.
- 73) When implementing a cloud computing environment, which scenario should be considered first? A)

  An area where there is no documented approval process.
  - B) An area where the approval process can be automated.
  - C) An area where the approval process is complex.
  - D) An area where most of the approval can be delegated.
- 74) Which model of cloud computing services provides the servers, storage devices, and networks for a subscriber?
- A) Infrastructure-as-a-Service (laaS)

B) Software-as-a-Service (SaaS)

C) Platform-as-a-Service (PaaS)

- D) Communication-as-a-Service (CaaS)
- 75) Cloud service providers typically provide web based management consoles that provide users insight on the state of cloud services. What is one technology used in client side browser code that queries back end systems for data from the cloud services?

A) XHTML

B) AJAX

C) PHP

D) HTML

76) Which business type provides Software as a Service?

A.) Internet Service Provider

B.) Infrastructure Service Provider C.)

**Application Service Provider** 

D.) Platform Service Provider

- 77) Application developers and testers are required to routinely setup complex multi tiered application environments to complete their tasks. How can provisioning capabilities in a cloud computing solution improve setup efficiencies?
  - A.) It reduces the complexity of the application environments.
  - B.) It allows the employees to reduce the number of managed servers.
  - C.) It allows the employees to capture complex environments and set them up in a consistent manner.
  - D.) It reduces the number of application environments to set up.



		Cio	ad Computii	ig and the CApp	ications Que	23tion bank			
	A.) Out of t B.) Manage C.) Deskto	the box SOX co ement of cloud p compliance e	empliance I subscriber log enforcement fo	files	nager in a clou	d provider environme	nt?		
79)	A.) It provides a feature to deploy IBM WebSphere Application Servers topologies in a cloud environment  B.) It provides an out of the box cloud solution  C.) It clones WebSphere topologies across an enterprise  D.) It provides the software base to build a cloud solution								
80)	What is thuser';s nee	eds?	cloud computin  B) Scalability		_	size or volume in ordo	er to meet a		
81)	L) A company with less than 50 employees is looking for a web based e mail service that provides essential messaging and calendaring capabilities. They have a limited budget and cannot afford a hosted e mail solution. Which IBM cloud services would best meet their needs without having to hire IT staff to manage and maintain the infrastructure?  A) IBM LotusLive iNotes  B) IBM LotusLive Web E mail								
82)		ding such data	center clouds,	/ /-	mainly respon	d networks over wide sible for increasing the nterfaces  D.			
83)	<ul> <li>3) How can a company leverage the Platform as a Service cloud computing delivery model?</li> <li>A.) A company obtains an environment with a software stack from a cloud provider, develops a custom application, and makes that application available to its customers on the Internet.</li> <li>B.) A company is running out of storage space to store a customer database and dynamically requests additional space via the cloud provider web services interface.</li> <li>C.) A company requires more processing power to perform its financial analysis calculations and acquires additional computational resources.</li> <li>D.) A company requires a customer relationship management solution and obtains an application that addresses their requirements from a cloud provider.</li> </ul>								
84)	Which thre	ee input param	neters are requi	red when creating a	n instance of th	ne IBM Smart Cloud fo	r Development		
A) N	1IPS	B) Loc	cation	C) CPU Brand	D) CPU,	, Storage Size and Ope	erating System		
85)	Which clou	ud deployment B) Public clou		ated solely for a sing ommunity cloud	_	and its authorized userid cloud	ers? <b>A) Private</b>		
86)	A company	y must perforn	n a complex and	alysis for a client, an	d their compute	er systems do not have	e the		

- computation capacity to perform this analysis. How can this analysis be completed quickly and cost effectively?
  - A.) Order new hardware to boost computational power.
  - B.) Consolidate the existing hardware to find required computational capacity.
  - C.) Virtualize existing hardware to extract efficiency and utilize the extra capacity.
  - D.) Temporarily access computational power on demand from a cloud service provider.



- 87) A company needs to provide IT services to a worldwide customer base utilizing a diverse set of devices. Which attribute of cloud computing can help the company deliver such services?
  - a. Flexible pricing
  - b. Horizontal scaling of application servers
  - c. Pervasiveness
  - d. Vertical scaling of application servers
- 88) What are two advantages of adopting a hybrid cloud model for an enterprise?
  - A) It can pool their existing infrastructure to be more flexible and increase their capacity for short term needs and it can manage sensitive data in a compliant and secure manner, and benefit from flexible pricing models for select services or infrastructure
  - B) It can have maximum control over aspects such as security and performance since the entire infrastructure will be managed within their own IT department
  - C) It can reduce their infrastructure cost since all their data centers will be managed in a third party cloud
  - **D)** It can reduce their cost drastically since they will be adopting a flexible pricing model for their entire operations
- 89) What is IBM WebSphere Application Server Hypervisor Edition?
  - A) A single virtual image that contains IBM WebSphere Application Server and IBM Tivoli Provisioning Manager
  - B) A single virtual image that contains an operating system, the IBM HTTP Server, and the IBM WebSphere Application Server
  - C) A bare metal hypervisor platform built by IBM
  - D) A hypervisor platform built by IBM that comes with IBM WebSphere Application Server Network Deployment 90) How can resources used by an application running in a shared virtual environment be measured?
  - A.) Use the hypervisor management console
  - B.) Each machine receives equal resources in the environment
  - C.) Use IBM Tivoli Monitoring to calculate the usage based on CPU utilization
- D.) Use IBM Tivoli Usage and Accounting Manager to collect the metrics for the resources and produce report based on the application
  - 91) A company that originally planned its web based IT system to support 10,000 users suddenly notices that there is a four times increase in demand. Assuming that the company has deployed its system in a true cloud environment, what are the incremental maintenance costs to adding new resources to this environment?
  - A) Four times its original costs of deployment.
  - B) Negligible.
  - C) Twice its original costs.
  - D) Three times its original costs.
- 92) A private cloud helps businesses reduce their cost in what two ways?
  - A) It reduces operating costs by having the internal IT department manage all the computing resources.
  - B) It reduces infrastructure cost by adopting virtualization techniques and It reduces infrastructure cost by consolidating computing resources and distributed computing.
  - C) It reduces infrastructure cost by owning all of the computing resources.
  - D) It reduces operating costs by having maximum control over the data and infrastructure.