

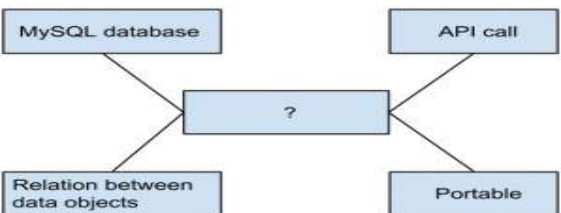
SR.NO	Chapter 1 Question 1, 2, 3 Mark Created by Atul	a	b	c	d	Correct Answer
1	Write down question	Option a	Option b	Option c	Option d	a/b/c/d
2	Cloud model relies on	communication API	Middleware	web documents	embedded device	a
3	What widely used service is built on cloud-computing technology?	Twitter	Skype	Gmail	All of the above	d
4	HTTP is a _____ protocol	stateful	unidirectional	bidirectional	full duplex	b
5	websocket is a _____ Protocol	stateful	bidirectional	connection oriented	all of the above	d
6	Websocket protocol uses which communication model	Publish-Subscribe	Request Response	Push-Pull	Exclusive Pair	a
7	Which of these techniques is vital for creating cloud-computing centers	Virtualization	Transubstantiation	Cannibalization	Insubordination	a
8	An internal cloud is...	An overhanging threat	A career risk for a CIO	A cloud that sits behind a corporate	The group of knowledge workers who use a social network for water-cooler gossip	d
9	Which of these is not an antecedent of the cloud?	Software as a service	Utility computing	Grid computing	Desktop computing	d
10	Which of the following subject area deals with pay-as-you-go usage model?	Accounting Management	Compliance	Data Privacy	All of the mentioned	a
11	Point out the correct statement	Except for tightly managed SaaS cloud providers	Cloud computing vendors run very reliable networks	The low barrier to entry cannot be accompanied by a low barrier to provisioning	All of the mentioned	b
12	_____ captive requires that the cloud accommodate multiple compliance regimes.	Licensed	Policy-based	Variable	All of the mentioned	b
13	Security methods such as private encryption, VLANs and firewalls comes under _____ subject area.	Accounting Management	Compliance	Data Privacy	All of the mentioned	c
14	Which of the following captive area deals with monitoring?	Licensed	Variable but under control	Law	All of the mentioned	b
15	Network bottlenecks occur when _____ data sets must be transferred	large	small	big	all of the mentioned	a
16	Amazon AWS Consists of following services	IaaS	PaaS	SaaS	all of above	d
17	RDS is a _____ type of database	SQL	NonSQL	Simple storage	all of above	a
18	DynamoDB is _____ type of storage	NonSQL	SQL	Simple storage	all of above	a
19	Cloud _____ are standardized in order to appeal to the majority of its audience.	SVAs	SLAs	SALs	None of the mentioned	b
20	The reputation for cloud computing services for the quality of those services is shared by _____	replicas	shards	tenants	all of the mentioned	c

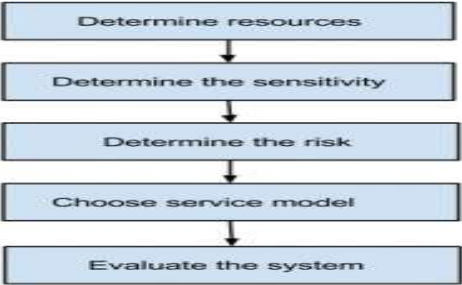
21	_____ is a function of the particular enterprise and application in an on-premises deployment.	Vendor lock	Vendor lock-in	Vendor lock-ins	None of the mentioned	b
22	_____ computing refers to applications and services that run on a distributed network using virtualized resources.	Distributed	Cloud	Soft	Parallel	b
23	. _____ as a utility is a dream that dates from the beginning of the computing industry itself	Model	Computing	Software	All of the mentioned	b
24	Amazon Elastic Compute Cloud (Amazon EC2) is a web service based on	IaaS	PaaS	SaaS	All of the mentioned	a
25	Which of the following is essential concept related to Cloud?	Reliability	Productivity	Abstraction	All of the mentioned	c
26	Point out the wrong statement	applications benefit from deployment in the cloud	start very small and become big very fast	technology it is built on is evolutionary	None of the mentioned	c
27	Which of the cloud concept is related to pooling and sharing of resources	Polymorphism	Abstraction	Virtualization	None of the mentioned	c
28	_____ has many of the characteristics of what is now being called cloud computing	Internet	Softwares	Web Service	All of the mentioned	a
29	Which of the following can be identified as cloud	Web Applications	Intranet	Hadoop	All of the mentioned	c
30	Which of the following is Cloud Platform by Amazon?	Azure	AWS	Cloudera	All of the mentioned	b
31	Which of the following is the deployment model?	public	private	hybrid	all of the mentioned	d
32	Which of the following is best known service model?	SaaS	IaaS	PaaS	All of the mentioned	d
33	Which of the following is the highest degree of integration in cloud computing?	SaaS	IaaS	PaaS	All of the mentioned	a
34	Which of the architectural layer is used as a front end in cloud computing?	client	cloud	soft	all of the mentioned	a
35	Which of the following benefit is provided by the PaaS service provider	A larger pool of qualified developers	More reliable operation	A logical design methodology	All of the mentioned	d
36	Communication between services is done widely using _____ protocol	REST	SOAP	RESTful	None of the mentioned	c
37	Which of the following provider rely on the virtual machine technology to deliver servers?	CaaS	AaaS	PaaS	IaaS	d

38	Which of the following component is called hypervisor?	VGM	VMc	VMM	All of the mentioned	c
39	Applications such as a Web server or database server that can run on a virtual machine image are referred to as __	virtual server	virtual appliances	machine imaging	all of the mentioned	b
40	Amazon Machine Images are virtual appliances that have been packaged to run on the grid of ____ nodes.	Ben	Xen	Ken	Zen	b
41	_____ is a CPU emulator and virtual machine monitor	Imaging	Parallels	QEMU	None of the mentioned	c
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62						
63						
64	Chapter 2 Question 1, 2, 3 Mark	a	b	c	d	Correct Answer
65	The source of HDFS architecture in Hadoop originated as	Google distributed filesystem	Yahoo distributed filesystem	Facebook distributed filesystem	Amazon S3 storage	a
66	What is HDFS?	Storage layer	Batch processing engine	Resource management layer	All of the above	a
67	Which among the following command is used to copy a directory from one node to another in HDFS?	rcp	distcp	dcp	drcp	b
68	Which utility is used for checking the health of an HDFS file system?	fsck	fchk	fsch	fcks	a
69	Which among the following is the correct statement	Datanode manage file system namespace	Namenode stores metadata	NameNode stores actual data	All of the above	b
70	What is default replication factor?	1	2	3	5	c
71	The namenode knows that the data node is active using a mechanism known as	Active pulse	Data pulse	Heartbeats	h-signal	c
72	What is the default size of HDFS Data Block?	16MB	32MB	64MB	128MB	d

73	What is HDFS Block in Hadoop?	It is the logical representation of data	It is the physical representation of data	Both the above	None of the above	b
74	Which of the following is the correct statement?	DataNode is the slave/worker node and holds the user data in the form of Data Blocks	Each incoming file is broken into 32 MB by default	NameNode stores user data in the form of Data Blocks	None of the above	a
75	The need for data replication can arise in various scenarios like	Replication Factor is changed	DataNode goes down	Data Blocks get corrupted	All of the above	d
76	A file in HDFS that is smaller than a single block size	Cannot be stored in HDFS	Occupies the full block's size.	Can span over multiple blocks	Occupies only the size it needs and not the full block	d
77	Which among the following are the duties of the NameNodes	Manage file system namespace	It is responsible for storing actual data	Perform read-write operation as per request for the clients	None of the above	a
78	If the IP address or hostname of a data node changes	The namenode updates the mapping between file name and block name	The data in that data node is lost forever	The namenode need not update mapping between file name and block name	There namenode has to be restarted	c
79	For the frequently accessed HDFS files the blocks are cached in	The memory of the data node	In the memory of the namenode	Both the above	None of the above	a
80	Which scenario demands highest bandwidth for data transfer between nodes	Different nodes on the same rack	Nodes on different racks in the same data center.	Nodes in different data centers	Data on the same node	c
81	When a client contacts the namenode for accessing a file, the namenode responds with	Size of the file requested	Block ID and hostname of all the data nodes containing that block	Block ID of the file requested	All of the above	b
82	In HDFS the files cannot be	Read	Deleted	Executed	Archived	c
83	Which among the following is the duties of the Data Nodes	Manage file system namespace	Stores meta-data	Regulates client's access to files	Perform read-write operation as per request for the clients	d
84	NameNode and DataNode do communicate using	Active pulse	Heartbeats	h-signal	Data pulse	b
85	Amazon EC2 provides virtual computing environments, known as :	chunks	instances	messages	None of the mentioned	b
86	Data stored in _____ domains doesn't require maintenance of a schema.	SimpleDB	SQL Server	Oracle	RDS	a

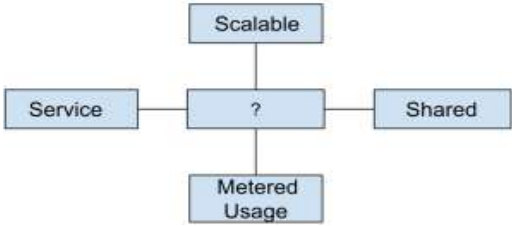
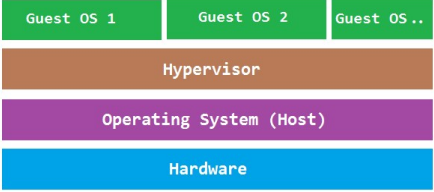
87	Which of the following is a system for creating block level storage devices that can be used for Amazon Machine Instances in EC2 ?	CloudWatch	Amazon Elastic Block Store	AWS Import/Export	All of the mentioned	b
88	Which of the following type of virtualization is also characteristic of cloud computing	Storage	Application	CPU	All of the mentioned	d
89	Which of the following is most important feature of cloud storage listed below ?	Logon authentication	Bare file	Multiplatform support	Adequate bandwidth	a
90	Which of the following is open cloud storage management standard by SNIA ?	CDMI	OCCI	CEA	Adequate bandwidth	a
91	Which of the following system does not provision storage to most users ?	Paas	Iaas	Caas	Saas	b
92	Which of the following service is provided by Google for online storage ?	Drive	SkyDrive	Dropbox	All of the mentioned	a
93	Which of the following backup create a cloned copy of your current data or drive ?	Continuous Data Protection	Open file backup	Reverse Delta backup	None of the mentioned	a
94	Which of the following storage devices exposes its storage to clients as Raw storage that can be partitioned to create volumes ?	block	file	disk	All of the mentioned	a
95	Which of the following should be used considering factors shown in the figure? 	SimpleDB	RDS	Amazon EC2	All of the mentioned	b
96	Point out the wrong statement.	The metrics obtained by CloudWatch may be used to enable a feature called Auto Scaling	A number of tools are used to support EC2 services	Amazon Machine Instances are sized at various levels and rented on a computing/hour basis	None of the mentioned	d
97	Which of the following is an edge-storage or content-delivery system that caches data in different physical locations?	Amazon Relational Database Service	Amazon SimpleDB	Amazon Cloudfront	Amazon Associates Web Services	c
98	Which of the following allows you to create instances of the MySQL database to support your Web sites?	Amazon Elastic Compute Cloud	Amazon Simple Queue Service	Amazon Relational Database Service	Amazon Simple Storage System	c
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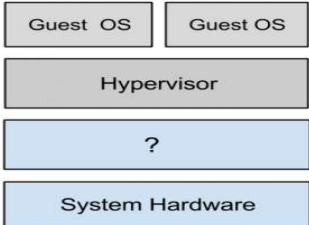
101	Point out the correct statement.	Amazon Elastic Cloud is a system for creating virtual disks(volume)	SimpleDB interoperates with both Amazon EC2 and Amazon S3	EC3 is an Analytics as a Service provider	None of the mentioned	b
102	Which of the following is a structured data store that supports indexing and data queries to both EC2 and S3?	CloudWatch	Amazon SimpleDB	Amazon Cloudfront	All of the mentioned	b
103	Which of the following is the machinery for interacting with Amazon's vast product data and eCommerce catalog function?	Amazon Elastic Compute Cloud	Amazon Associates Web Services	Alexa Web Information Service	All of the mentioned	b
104	Which of the following is a billing and account management service?	Amazon Elastic MapReduce	Amazon Mechanical Turk	Amazon DevPay	Multi-Factor Authentication	c
105	Which of the following is not the feature of Network management systems?	Accounting	Security	Performance	None of the mentioned	d
106	Which of the following service provider provides the least amount of built in security?	SaaS	PaaS	IaaS	All of the mentioned	c
107	Point out the correct statement.	Different types of cloud computing service models provide different levels of security services	Adapting your on-premises systems to a cloud model requires that you determine what security mechanisms are required	Data should be transferred and stored in an encrypted format for security purpose	All of the mentioned	d
108	Which of the following services that need to be negotiated in Service Level Agreements?	Logging	Auditing	Regulatory compliance	All of the mentioned	d
109	The following flowchart is intended to evaluate _____ in any cloud.  <pre> graph TD A[Determine resources] --> B[Determine the sensitivity] B --> C[Determine the risk] C --> D[Choose service model] D --> E[Evaluate the system] </pre>	risk	errors	inconsistencies	none of the mentioned	a

110	Point out the wrong statement.	You can use proxy and brokerage services to separate clients from direct access to shared cloud storage	Any distributed application has a much greater attack surface than an application that is closely held on a Local Area Network	Cloud computing doesn't have vulnerabilities associated with Internet applications	All of the mentioned	c
111	Which of the following area of cloud computing is uniquely troublesome?	Auditing	Data integrity	e-Discovery for legal compliance	All of the mentioned	d
112	Which of the following is the operational domain of CSA(Cloud Security Alliance)?	Scalability	Portability and interoperability	Flexibility	None of the mentioned	b
113	Which of the following is considered an essential element in cloud computing by CSA?	Multi-tenancy	Identity and access management	Virtualization	All of the mentioned	a
114	Which of the following is used for Web performance management and load testing?	VMware Hyperic	Webmetrics	Univa UD	Tapinsystems	b
115	Which of the following service provider provides the highest level of service?	SaaS	PaaS	IaaS	All of the mentioned	a
116	Point out the correct statement.	PaaS supplies the infrastructure	IaaS adds application development frameworks, transactions, and control structures	SaaS is an operating environment with applications, management, and the user interface	All of the mentioned	c
117	Which of the following functional cloud computing hardware/software stack is the Cloud Reference Model?	CAS	CSA	SAC	All of the mentioned	a
118	For the _____ model, the security boundary may be defined for the vendor to include the software framework and middleware layer.	SaaS	PaaS	IaaS	All of the mentioned	b
119	Which of the following model allows vendor to provide security as part of the Service Level Agreement?	SaaS	PaaS	IaaS	All of the mentioned	a
120	Which of the following cloud does not require mapping?	Public	Private	Hybrid	None of the mentioned	a
121	Which of the following service model is owned in terms of infrastructure by both vendor and customer?	Public	Private	Hybrid	None of the mentioned	c
122	Which of the following model type is not trusted in terms of security?	Public	Private	Hybrid	None of the mentioned	a
123	Which of the following has infrastructure security managed and owned by the vendor?	Hybrid	Private/Community	Public	None of the mentioned	b

124	Point out the wrong statement.	Each different type of cloud service delivery model creates a security boundary	Any security mechanism below the security boundary must be built into the system	Any security mechanism above the security boundary must be maintained by the customer	All of the mentioned	d
125						
126	Chapter 3,4,5,6 Question 1, 2, 3 Mark	a	b	c	d	Correct Answer
127	_____ is an application for collecting messages sent in RSS and Atom format from information providers.	Google Reader	Yahoo Mail	EmailRackspace	All of the mentioned	A
128	Which of the following application is a newsreader?	Google Reader	Bloglines	Newsgator Online	All of the mentioned	D
129	Which of the following was developed an alternative to XML syndication by IETF?	Atom Publishing Protocol	Atom Subscribing Protocol	Atom Subscribe Protocol	None of the mentioned	A
130	How many technologies are used for most of the syndicated content on the Internet?	1	2	3	4	B
131	Which of the following technology is used for syndicated content?	AJAX	RSS	Javascript	All of the mentioned	B
132	The full form of AJAX is	Asynchronous Javascript and XML	Another Java and XML Library	Abstract JSON and XML	None of the mentioned	A
133	The advantages of Ajax is _____	Bandwidth utilization	More interactive	Speeder retrieval of data	All of these	D
134	which of the following are the controls of Ajax?	ScriptManager	ScriptManagerProxy	UpdateProgress	All of the mentioned	D
135	Which of the following type of virtualization is also characteristic of cloud computing?	Storage	Application	CPU	All of the mentioned	D
136	Virtualization assigns a logical name for a physical resource and then provides a pointer to	TRUE	FALSE			A
137	that physical resource when a request is made					
138	Virtual Machines (VMs) are offered in cloud by	SaaS	PaaS	IaaS	None of these	C
139	The technology used to distribute service requests to resources is referred to as _____	load performing	load scheduling	load balancing	all of the mentioned	C
140	_____ computing refers to applications and services that run on a distributed network	Distributed	Cloud	Soft	Parallel	B
141	using virtualized resources.					
142	Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a _____ resource.	real	virtual	cloud	none of the mentioned	B
143	Amazon's Elastic Compute Cloud (EC2) is a well known _____.	Virtual machine	Cloud Storage	PaaS	SoA	A
144	_____ virtualization abstracts networking hardware and software into a virtual network that can be managed.	Storage	Network	Software	None of the mentioned	B

143	_____ is used by Amazon Web Services to store copies of a virtual machine.	AMI	EMI	IMI	Application services	A
144	In para-virtualization, VMs run on hypervisor that interacts with the hardware.	TRUE	False			B
145	Which of the following provide system resource access to virtual machines ?	VMM	VMC	VNM	All of the mentioned	A
146	An operating system running on a Type __ VM is a full virtualization.	1	2	3	All of the mentioned	A
147	Point out the wrong statement.	In Gmail, you can construct searches with multiple operators using the Advanced Search feature	RSS and Atom are prototypes of a class of XML specifications called synchronized markup languages	A typical RSS document or feed contains text and metadata that can be used to indicate publication dates	None of the mentioned	B
148	Which of the following file format is used by RSS module?	XML	SMIL	JSON	All of the mentioned	A
149	What makes Ajax unique?	It works as a stand-alone Web-development tool	It works the same with all Web browsers	It uses C++ as its programming language	It makes data requests asynchronously	D
150	_____ JavaScript is also called server-side JavaScript.	Microsoft	Navigator	LiveWire	None	C
151	Which of the following visualization is most commonly achieved through a mapping mechanism where a logical storage address is translated into a physical storage address?	Storage	Network	Software	None of the mentioned	A
152	Point out the wrong statement.	A virtual network can create virtual network interfaces	Instantiating a virtual machine is a very slow process	You can make machine images of systems in the configuration that you want to deploy or take snapshots of working virtual machines	All of the mentioned	B
153	AMI(Amazon Machine Image) imaging service is provided by Amazon for _____	private use	public use	pay-per-use	all of the mentioned	D
154	Which of the following runs on Xen Hypervisor?	Azure	AWS EC2	AWS EC3	All of the mentioned	B
155	Virtualization allows sharing the resources of hardware across multiple a environments.	True	FALSE			A
156	A virtual machine running on a server of a particular make cannot be relocated to b the server of another make.	True	FALSE			B

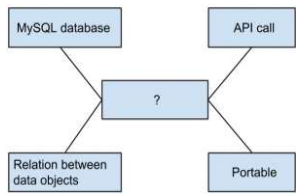
157	Amazon Web Services (AWS) is an example of _____	Software as a service (SaaS)	Infrastructure as a service (IaaS)	Platform as a Service (PaaS)	None of the mentioned	B
158	Which of the following is Type 1 Hypervisor ?	Wind River Simics	Virtual Server 2005 R2	KVM	LynxSecure	D
159	Which of the following is Type 2 VM ?	VirtualLogix VLX	VMware ESX	Xen	LynxSecure	C
160	In _____ the virtual machine simulates hardware, so it can be independent of the underlying system hardware.	paravirtualization	full virtualization	emulation	none of the mentioned	C
161	In a _____ scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.	paravirtualization	full virtualization	emulation	none of the mentioned	B
162	Full virtualization Full virtualization	Simulates hardware within software	Has VMs with the same OS	Clones images	Alters the guest OS	A
163	What are the goals of Hypervisor design?	Scalability	Reliability	Isolation	All of the above	D
164	Bare metal hypervisor sits on top of	Physical Hardware	Virtualized hardware	Operating System	None of the above	A
165	If virtualization occurs at application level, OS level and hardware level, then such service in cloud is	IaaS	SaaS	PaaS	no such service	B
166	Order of Virtual Machine Life Cycle i) Release Ms ii) IT Service Request iii) VM in operation iv) VM Provision	ii, i, iii, iv	i, ii, iii & iv	ii, iii, iv & i	ii, iv, iii & i	D
167	Which of the following should be replaced with the question mark in the following figure? 	Abstraction	Virtualization	Mobility Pattern	All of the mentioned	B
168	Which type of Hypervisor is shown in the following figure ? 	Type 1	Type 2	Type 3	All of the mentioned	B
169	_____ where a VM can be moved from one physical machine to another even as it continues to execute.	Load Balancing	Migration	Live Migration	Server consolidation	C
170	Which type of Hypervisor is shown in the following figure ?	Type 1	Type 2	Type 3	All of the mentioned	A

171	Point out the wrong statement :	Load balancing virtualizes systems and resources by mapping a logical address to a physical address	Multiple instances of various Google applications are running on different hosts	Google uses hardware virtualization	All of the mentioned	C
172	Which of the following should be placed in second lowermost layer for the following figure ? 	Host Operating System	Software	VM	None of the mentioned	A
173	Point out the wrong statement :	Some hypervisors are installed over an operating system and are referred to as Type 2 or hosted VM	All CPUs support virtual machines	On a Type 2 VM, a software interface is created that emulates the devices with which a system would normally interact	All of the mentioned	B
174	Which of the following type of virtualization is found in hypervisor such as Microsoft's Hyper-V ?	paravirtualization	full virtualization	emulation	none of the mentioned	A
175	Point out the wrong statement :	Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM	Guest operating systems in full virtualization systems are generally faster than other virtualization schemes	A process virtual machine instantiates when a command begins a process	All of the mentioned	A
176	Which of the following operating system support operating system virtualization ?	Windows NT	Sun Solaris	Windows XP	Compliance	B
177	_____ is a service that creates and manages virtual network interfaces.	VMware vStorage	VMware vNetwork	VMware vCompute	Application services	B
178	Which of the following allows a virtual machine to run on two or more physical processors at the same time ?	Virtual SMP	Distributed Resource Scheduler	vNetwork Distributed Switch	Storage Vmotion	A

179	VMM is	A virtual machine	Hardware	Host OS	A layer of software	D
180	VMM facilitates sharing of	Memory & I/O	CPU, memory & I/O	CPU & memory	I/O & CPU	B
181	The BEST way to define Virtualization in cloud computing is	Virtualization enables simulating compute, network, and storage service platforms from the underlying virtual hardware	Virtualization enables abstracting compute, network, and storage service platforms from the underlying physical hardware	Virtualization enables realization of compute, network, and storage service platforms from the underlying virtual hardware	Virtualization enables emulating compute, network, and storage service platforms from the underlying virtual hardware	B
182	Which one is NOT generally a change after Virtualization?	Virtual machines can be provisioned to any system	Hardware-independence of operating system and applications	Can manage OS and application as a single unit by encapsulating them into virtual machines.	Software and hardware tightly coupled	D
183	Which one of the statement is generally NOT correct for Microkernelized Hypervisor?	Drivers run within guests	Simple partitioning functionality	Increase reliability and minimize lowest level of the TCB	Contains its own drivers model	D
184	In multiple VM processing, CPU is allotted to the different processes in form of:	Space slices by the OS	Different CPUs are allocated to different processes	Time slices by the OS	Frequency slices by the OS	A
185	Appear IQ, Mendix, Amazon Web Services (AWS) Elastic Beanstalk, Google App Engine and Heroku, are some of the example of providing services for:	IaaS	SaaS	PaaS	None	C
186	Which one of the cases not impacting major system availability	Service performance degrade	Service outage by unplanned downtime	Live migration of VM for load balancing	Service outage by planned downtime	C
187	Which of the following is a structured data store that supports indexing and data queries to both EC2 and S3?	CloudWatch	Amazon SimpleDB	Amazon Cloudfront	All of the mentioned	B
188	Which of the following is the machinery for interacting with Amazon's vast product data and eCommerce catalog function?	Amazon Elastic Compute Cloud	Amazon Associates Web Services	Alexa Web Information Service	All of the mentioned	B
189	Which of the following is the central application in the AWS portfolio?	Amazon Elastic Compute Cloud	Amazon Simple Queue Service	Amazon Simple Notification Service	Amazon Simple Storage System	A
190	Which of the following is a message queue or transaction system for distributed Internet-based applications?	Amazon Elastic Compute Cloud	Amazon Simple Queue Service	Amazon Simple Notification Service	Amazon Simple Storage System	B

191	Which of the following feature is used for scaling of EC2 sites?	Auto Replica	Auto Scaling	Auto Ruling	All of the mentioned	B
192	Which of the following provides a bridge between a company's existing network and the AWS cloud?	Amazon Virtual Private Cloud	AWS Premium Support	Amazon Fulfillment Web Services	All of the mentioned	A
193	Point out the wrong statement.	Between FBA and FWS, you can create a nearly virtual store on Amazon.com	Amazon plans to extend the capabilities of VPC to integrate with other systems in the Amazon cloud computing portfolio	FPS is exposed as an API that sorts transactions into packages called Quick Starts that makes it easy to implement	None of the mentioned	B
194	Which of the following is Amazon's technical support and consulting business?	Amazon Virtual Private Cloud	AWS Premium Support	Amazon Fulfillment Web Services	All of the mentioned	B
195	Which of the following is a method for bidding on unused EC2 capacity based on the current spot price?	On-Demand Instance	Reserved Instances	Spot Instance	All of the mentioned	C
196	Point out the wrong statement.	The standard instances are not suitable for standard server applications	High memory instances are useful for large data throughput applications such as SQL Server databases and data caching and retrieval	FPS is exposed as an API that sorts transactions into packages called Quick Starts that makes it easy to implement	None of the mentioned	A
197	Which of the following instance has an hourly rate with no long-term commitment?	On-Demand Instance	Reserved Instances	Spot Instance	All of the mentioned	A
198	Which of the following tool is used for measuring I/O of your systems to estimate these transaction costs?	EBS	IOSTAT	ESW	All of the mentioned	B
199	Point out the wrong statement.	The cost of creating an EBS volume is lesser than creating a similarly sized S3 bucket	An EBS volume can be used as an instance boot partition	EBS boot partitions can be stopped and started, and they offer fast AMI boot times	None of the mentioned	A
200	Which of the following is also referred to edge computing?	CloudWave	CloudFront	CloudSpot	All of the mentioned	B
201	Which of the following is a structured data store that supports indexing and data queries to both EC2 and S3 ?	CloudWatch	Amazon SimpleDB	Amazon Cloudfront	All of the mentioned	B

202	Which of the following is a system for creating block level storage devices that can be used for Amazon Machine Instances in EC2 ?	CloudWatch	Amazon Elastic Block Store	AWS Import/Export	All of the mentioned	B
203	Amazon EC2 provides virtual computing environments, known as :	chunks	instances	messages	None of the mentioned	B
204	Amazon EMR uses Hadoop processing combined with several _____ products.	AWS	ASQ	AMR	AWES	A
205	What is a virtual server platform that allows users to create and run virtual machines on Amazon's server farm.	Azure	EC2	EC5	None of the mentioned	B
206	_____ is the central application in the AWS portfolio.	Amazon Simple Queue Service	Amazon Elastic Compute Cloud	Amazon Simple Notification Service	All of the above	B
207	Which of the following allows you to create instances of the MySQL database to support your Web sites?	Amazon Elastic Compute Cloud	Amazon Simple Queue Service	Amazon Relational Database Service	Amazon Simple Storage System	C
208	Point out the correct statement.	Amazon Elastic Cloud is a system for creating virtual disks(volume)	SimpleDB interoperates with both Amazon EC2 and Amazon S3	EC3 is an Analytics as a Service provider	None of the mentioned	B
209	Which of the following is a billing and account management service?	Amazon Elastic MapReduce	Amazon Mechanical Turk	Amazon DevPay	Multi-Factor Authentication	C
210	Which of the following is a means for accessing human researchers or consultants to help solve problems on a contractual or temporary basis?	Amazon Elastic MapReduce	Amazon Mechanical Turk	Amazon DevPay	Multi-Factor Authentication	B
211	Point out the wrong statement.	Virtual private servers can provision virtual private clouds connected through virtual private networks	Amazon Web Services is based on SOA standards	Starting in 2012, Amazon.com made its Web service platform available to developers on a usage-basis model	All of the mentioned	C
212	Point out the correct statement.	SQL Server is having enormous impact on cloud computing	Amazon.com's services represent the largest pure Infrastructure as a Service (IAAS)	EC2 is a Platform as a Service (PaaS) market	None of the mentioned	B
213	Which of the following is a system for creating block level storage devices that can be used for Amazon Machine Instances in EC2?	CloudWatch	Amazon Elastic Block Store	AWS Import/Export	All of the mentioned	B
214	Which of the following allows merchants to fill orders through Amazon.com fulfillment service?	Amazon Elastic Compute Cloud	Amazon Fulfillment Web Services	Amazon Relational Database Service	Amazon Simple Storage System	B

215	Point out the correct statement.	With EC2, you can launch and run server instances called Amazon Machine Images (AMIs) running different operating systems such as Red Hat Linux	A machine image is the software and operating system running on top of the instance	A machine image may be thought of as the contents of a boot drive	All of the mentioned	D
216	Which of the following provides access for developers to charge Amazon's customers for their purchases?	FWS	FAS	FPS	All of the mentioned	C
217	Which of the following uses an authentication device?	Amazon Elastic MapReduce	Amazon Mechanical Turk	Amazon DevPay	Multi-Factor Authentication	D
218	Which of the following is a batch processing application?	IBM sMash	IBM WebSphere Application Server	Condor	Windows Media Server	C
219	Point out the correct statement.	Security can be set through passwords, Kerberos tickets, or certificates	Secure access to your EC2 AMIs is controlled by passwords, Kerberos, and 509 Certificates	Most of the system image templates that Amazon AWS offers are based on Red Hat Linux	All of the mentioned	D
220	How many EC2 service zones or regions exist?	1	2	3	4	D
221	Amazon _____ cloud-based storage system allows you to store data objects ranging in size from 1 byte up to 5GB.	S1	S2	S3	S4	C
222	CloudFront supports _____ data by performing static data transfers and streaming content from one CloudFront location to another.	table caching	geocaching	index caching	windows Media Server	B
223	Point out the correct statement.	A volume is mounted on a particular instance and is available to all instances	The advantages of an EBS boot partition are that you can have a volume up to 1TB	You cannot mount multiple volumes on a single instance	All of the mentioned	B
224	Data stored in _____ domains doesn't require maintenance of a schema. 	SimpleDB	SQL Server	Oracle	RDS	A
225	Amazon Web Services falls into which of the following cloud-computing category?	Platform as a Service	Software as a Service	Infrastructure as a Service	Back-end as a Service	C

226	AWS reaches customers in _____ countries.	137	182	190	86	C
227	Which of the following should be used considering factors shown in the figure?	SimpleDB	RDS	Amazon EC2	All of the mentioned	B
228	Point out the wrong statement.	Amazon Machine Instances are sized at various levels and rented on a computing/hour basis	The metrics obtained by CloudWatch may be used to enable a feature called Auto Scaling	A number of tools are used to support EC2 services	None of the mentioned	D
229	Which of the following is an edge-storage or content-delivery system that caches data in different physical locations?	Amazon Relational Database Service	Amazon SimpleDB	Amazon Cloudfront	Amazon Associates Web Services	C
230	Which of the following is built on top of a Hadoop framework using the Elastic Compute Cloud?	Amazon Elastic MapReduce	Amazon Mechanical Turk	Amazon DevPay	Multi-Factor Authentication	A
231	Which of the following correctly describes components roughly in their order of importance from top to down?	1. Amazon Elastic Compute Cloud 2. Amazon Simple Storage System 3. Amazon Elastic Block Store	1. Amazon Elastic Block Store 2. Amazon Elastic Compute Cloud 3. Amazon Simple Storage System	1. Amazon Simple Storage System 2. Amazon Elastic Block Store 3. Amazon Elastic Compute Cloud	None of the mentioned	A
232	Which of the following is a Web service that can publish messages from an application and deliver them to other applications or to subscribers?	Amazon Elastic Compute Cloud	Amazon Simple Queue Service	Amazon Simple Notification Service	Amazon Simple Storage System	C
233	Which of the following metrics are used to support Elastic Load Balancing?	CloudWatch	Amazon Elastic Block Store	AWS Import/Export	All of the mentioned	A
234	Which of the following is an online backup and storage system?	Amazon Elastic Compute Cloud	Amazon Simple Queue Service	Amazon Simple Notification Service	Amazon Simple Storage System	D
235	_____ is a virtual server platform that allows users to create and run virtual machines on Amazon's server farm.	EC2	Azure	EC5	None of the mentioned	A
236	AMIs are operating systems running on the _____ virtualization hypervisor.	Yen	Xen	Ben	Multi-Factor Authentication	B
237	Which of the following instance class is best used for applications that are processor or compute-intensive?	Standard Instances	High Memory Instances	High CPU Instances	None of the mentioned	C
238	Which of the following can be done with S3 buckets through the SOAP and REST APIs?	Upload new objects to a bucket and download them	Create, edit, or delete existing buckets	Specify where a bucket should be stored	All of the mentioned	D
239	Which of the following operation retrieves the newest version of the object?	PUT	GET	POST	COPY	B

240	Which of the following statement is wrong about Amazon S3?	Amazon S3 is highly reliable	Amazon S3 provides large quantities of reliable storage that is highly protected	Amazon S3 is highly available	None of the mentioned	C
241	Which of the following is relational database service provided by Amazon?	SimpleDB	SQL Server	Oracle	RDS	D
242	Which of the following can be considered as a distributed caching system?	CND	CDN	CWD	All of the mentioned	B
243	Amazon Relational Database Service is a variant of the _____ 5.1 database system.	Oracle	MySQL	SQL Server	All of the mentioned	B
244	What are the different types of instances?	General purpose	Computer Optimized	Storage Optimized	All of the above	D
245	The types of AMI provided by AWS are:	Instance store backed	EBS backed	Both A & B	None of the above	C
246	Storage classes available with Amazon s3 are -	Amazon S3 standard	Amazon S3 standard-infrequent Access	Amazon Glacier	All of the above	D
247	IBM's Blue Cloud uses a special software for monitoring of virtual cluster operations and acts as a provisioning manager is known as _____.	Web Sphere	Tivoli	Nebula	Altix	B
248	Cloud system from SGI is functionally considered as an _____.	on-demand cloud computing service	on-demand cloud storage service	on-demand cloud accessing service	on-demand	A
249	Cyclone is available in two service models as follows:	Paas and laas	SaaS and Paas	SaaS and laas	All of the above	C
250	NASA created _____ can be fifty percent more energy efficient as it turns off the computers on the network to make cloud computing efficient.	Nebula Cloud	Cyclone Cloud	Force.com Cloud	CERN Cloud	A
251	To establish scalability for the analysis of huge research data, CERN uses LSF i.e. a _____ grid and workload management solution of cloud computing platform	Load Setting Facility	Load Sharing Facility	Load Setting Faculty	Load assigning Faculty	B
252	One of the reasons of widespread of cloud is its ability to provide resource allocation dynamically from a pool of VM resources. State True or False.	TRUE	FALSE			A
253	A mashup cloud can be designed by utilizing the Scalability of AWS and _____ of GAE platforms	Accessibility	Mobility	Agility	Scalability	C
254	The Cloudlets have a _____ ownership unlike that of Clouds.	centralized	decentralized	global	None of the above	B

255	The Data-Intensive Scalable Computing(DISC) utilizes a _____ data-center clusters to gather and maintain data.	HTC	HPC	HCC	HAC	A
256	Performance metrics for HPC/HTC systems include :	Multitasking Scalability	Security Index	Cost Effectiveness	All of the above	D
257	$[\pi=n/T_{total}=n/[kT_o+T_e(n,m)]$ The above equation calculates the value of which of the following?	Scalability	Throughput	Availability	Effectiveness	B
258	_____ refers to an increase in the performance by the addition of more resources along the service layers	Horizontal Scalability	Vertical Scalability	Diagonal Scalability	None of the above	B
259	The percentage of time the system is up and running smoothly is referred as _____.	system up time	system scalability	system availability	system efficiency	C
260	_____ is the technology used to search tagged objects and mobile devices with the help of browsing an IP address or using the database entry	GPS	Cloud	IoT	RFID	D
261	RFID stand for _____.	Rangeable Frequency Identification	Radio Fragment Identification	Radio Frequency Identification	Rangeable Fragment Identification	C
262	The architecture of IoT consists of different layers including which of the following? i. Application Layer ii. Sensing Layer iii. Combination Layer iv. Network Layer	i, ii, iv	i, iii, iv	ii, iii, iv	ii, iii, iv	A
263	_____ tags contain battery and transmit signals autonomously	Active RFID	Passive RFID	Battery-assisted passive RFID	Battery-assisted RFID	A
264	_____ tags needs an external source to wake up the battery.	Active RFID	Passive RFID	Battery-assisted passive RFID	Battery-assisted active RFID	C
265	The three major components of RFID hardware based on functionality include :	RFID Reader	Reader Antenna	Reader	All of the above	D
266	Types of Zigbee devices are available as follows: i. ZigBee Coordinator ii. ZigBee Router iii. ZigBee End Device iv. ZigBee Accessor	i, ii, iii	i, ii, iii, iv	ii, iii, iv	i, ii, iv	A
267	Even with two-factor authentication, users may still be vulnerable to _____ attacks.	Scripting	Cross attack	Man-in-the-middle	Radiant	c
268	Process of identifying any individual	Auditing	Authorisation	Authentication	Accounting	c
269	Process that prevents someone from denying that she accessed resource	Accounting	Non-repudiation	Sniffing	Authorisation	b

270	What security threats do employee-owned devices pose by storing corporate data and accessing corporate networks?	Making infrastructure vulnerable to malware	Potential for noncompliance	Data Loss	All of the above	d
271	Which of the following is not a correct way to secure communication layer	Cloud initiated communication	TLS/SSL	IPS(Intrusion Prevention System)	Firewalls	a
272	Which of the following is not the component of IoT Endpoint	Sensor	Gateway	Communication Module	MCU	b
273	Which of the following makes sure that data is not changed when it not supposed to be?	Integrity	Availability	Confidentiality	Accounting	a
274	Which of the following terms indicates that information is to be read only by those people for whom it is intended?	Availability	Accounting	Integrity	Confidentiality	d
275	What is the full form of SCADA?	Supervisory Control and Document Acquisition	Supervisory Control and Data Acquisition	Supervisory Column and Data Assessment	Supervisory Column and Data Assessment	b
276	DCS is a _____	Distributed Control System	Data Control System	Data Column System	Distributed Column System	a
277	What is SCADA?	Software	Process	System	Hardware	b
278	The control in SCADA is	Online control	Direct control	Supervisory control	Automatic control	c
279	When did the SCADA start?	1980s	1990s	1970s	1960s	b
280	Which of the following is not the component of a SCADA system?	Database server	I/O system	PLC controller	Sparger controller	d
281	Which of the following is the heart of a SCADA system?	PLC	HMI	Alarm task	I/O task	d
282	RFID stands for?	Random frequency identification	Radio frequency identification	Random frequency information	Radio frequency information	b
283	Which of the following is not involved in working of IoT?	RFID	Sensor	Nano tech	Server	d
284	M2M is a term introduced by	IoT service providers	Fog computing service providers	Telecommunication service providers	None of these	c
285	Which of these statements regarding sensors is TRUE?	Sensors are input devices.	Sensors can be analog as well as digital	Sensors respond to some external stimuli.	All of these	d
286	Smart Dust can be used to measure the	Temperature of the industrial lathe machine	Heat inside a computer's CPU	Chemical in the soil	Strength of a solid material	c
287	In threat modeling, what methodology used to perform risk analysis	DREAD	OWASP	STRIDE	DAR	a
288	Out of the following which is not element of threat modelling	Asset	Vulnerability	Threat	Time	d
289	Request field is present in which message format?	Request message	Response message	Both request and response	Neither request nor response	a
290	CoAP is specialized for	Internet applications	Device applications	Wireless applications	Wired applications	a

291	Which layer is CoAP?	Control layer	Transport layer	Service layer	Application layer	c
292	CoAP provides which of the following requirements?	Multicast support and simplicity	Low overhead and multicast support	Simplicity and low overhead	Multicast support, Low over head, and simplicity	d
293	CoAP is a specialized _____ protocol.	Web Transfer	Power	Application	Resource	a
294	URI and content type support is which protocol feature?	Http	UDP	CoAP	SPI	c
295	What is the full form of WLAN?	Wide Local Area Network	Wireless Local Area Network	Wireless Land Access Network	Wireless Local Area Node	b
296	Which of the following specifies a set of media access control (MAC) and physical layer specifications for implementing WLANs?	IEEE 802.16	IEEE 802.3	IEEE 802.11	IEEE 802.15	c
297	Which of the following is not a characteristic of a ZigBee network?	Low power consumption	Easy installation.	High data rates.	Unlicensed radio bands.	c
298	Which of the following IEEE standards provides the lowest level of the ZigBee software stack?	IEEE 802.11.	IEEE 802.15.1.	IEEE 802.15.3.	IEEE 802.15.4.	d
299	Which of the following layers are defined by the ZigBee stack?	Transport layer	Physical layer.	Application Support sub-layer.	Medium Access layer	d
300	What is the typical range of transmission distance in a ZigBee network?	5 m.	50 m.	500 m.	5 km	b
301	_____ is an attack which forces an end user to execute unwanted actions on a web application in which he/she is currently authenticated.	Cross-site scripting	Cross-site request forgery	Two-factor authentication	Cross-site scripting	d
302	Representational State Transfer (REST) is the standard interface between	Two machines in a LAN	HTTP client and user	HTTP client and servers	None of the above	c
303	Which of the following is not a messaging mode in CoAP?	Confirmable	Separate	Direct	Piggyback	c
304	Which of the following is the full form of XMPP?	Extension Messaging and Presence Protocol	Extensible Messaging and Presence Protocol	Extension Messaging and Privacy Protocol	Extensible Messaging and Privacy Protocol	b
305	In 6LoWPAN address, how many bits are globally unique?	16 bits	32 bits	64 bits	128 bits	c
306	IEEE 802.15.4 uses which of the following for accessing the channel?	Carrier sense multiple access (CSMA)	Carrier sense multiple access with collision detection (CSMA-CD)	Carrier sense multiple access with collision avoidance (CSMA-CA)	None of these	c
307	Three parts of GPS include:	space segment	control segment	user segment	all of the above	D
308	In case of _____, the GPS works as a receiver, not a transmitter.	active tracking	passive tracking	assisted tracking	receiver tracking	B
309	_____ is an embedded system which meshes the computing process with the physical world in the form of an interactive as well as intelligent system	Cloud-Physical System	Cyber-Space System	Cyber-Physical System	None of the above	C
310	The number of binding of a node to other actors of the graph in the graph representation of a network is called as _____.	node degree	path length	social circle	bridge	A

311	_____ is the degree to which nodes have a common set of connections to other nodes	Structural hole	Structural equivalence	Structural cohesion	None of the above	C
312	The degree to which actors are directly linked to one another through cohesive bonds is called as _____.	closeness	cohesion	centralized	path length	B
313	The social circles are loosely coupled if there is _____ stringency of direct contact.	less	more	equal	no	A
314	The measures of centrality include:	Betweenness	Closeness	Degree	All of the above	D
315	Arrange the stages in supply chain management: i. Material and Equipment Supplies ii. Delivery of Products iii. After Sale Service and Returns iv. Planning and Coordination v. Manufacturing and Testing	iv, v, i, ii, iii	iv, i, v, iii, ii	iv, i, v, ii, iii	i, ii, iv, v, ii	C
316	Nodes in the network analysis graph represent the _____ and the edges represent the relationships between nodes.	actors	nodes	users	Both a and b	D
317	Which is the latest Operating System?	Real-time OS	Desktop OS	Mainframe OS	Cloud OS	D
318	JOES stands for _____	Joint Expensive Operating System	Just Expensive Operating System	Just Enough Operating System	Joined Environmental Operating System	C
319	Responsibility of OS developers to add new feature in existing OS are _____	More reliability	Convenience and security	Compatibility	All of the above	D
320	In future, companies wont worry about the capital for large data center because of _____	SaaS solution	PaaS solution	IaaS solution	None of the above	B
321	_____ is an autonomic cloud engine whose basic aim is to realize a virtual component of cloud with computing capability	CometCloud	AsteroidCloud	StarCloud	PlanetCloud	A
322	CometCloud supports policy based autonomic __ and __	CloudBursting	CloudBridging	None	Both A and B	D
323	Which are the three conceptual layers in CometCloud?	Development, Application, Physical	Infrastructure, Dynamic, Static	Transport, Network, Programming	Programming, Service, Infrastructure	D

324	In Comet, a tuple is a simple ___ string	Java	Python	XML	HTML	C
325	Which of the following policies is not mentioned in 'not to violate' regarding CloudBurst?	Deadline-based	Budget-based	Quality-based	Workload-based	C
326	The cloud media services are:	Cloud gaming	Experiencing multi-screens	Image Processing	All of the above	D
327	KPI stands for _____	Key Practices in Industry	Key Performance Index	Key Performance Indicators	Key Parameters in Information	C
328	SEEP is used in _____	Energy optimization	Multimedia	Information leakage	Cost reduction	A
329	SEEP stands for _____	System End to End Protocol	Static Environmental Execution Process	Symbolic Execution and Energy Profiles	State Execution And Energy Profiles	C
330	Keywords in Docker are _____	Develop, ship, run anywhere	Create, export	Transport, cloud	User, data, privacy	A
331	Docker can simplify both, ___ and ___	Process, state	Behavior, aspect	Workflows, communication	All of the above	C
332	Basic approach of Docker as a company is:	"batteries included but removable"	"batteries included but non-removable"	"batteries but chargeable"	"battery less execution"	A
333	Which containers are used by Docker servers?	Windows	Android	Linux	Mac	C
334	Two main components in Docker are:	Master, slave	Client, server	Client, master	All of the above	B
335	Docker is generally configured to use TCP port ___ while executing unencrypted traffic	3306	53378	2375	2376	C

336	Docker is generally configured to use TCP port ____ while managing encrypted traffic.	3306	53378	2375	2376	D
337	Containers require less disk space as compared to virtual machine	True	False			A
338	There is no built-in framework in Docker for testing.	True	False			A
339	Docker provides simple one-line deployment strategy.	True	False			A
340	The examples of deployment tools are:	Docker's storm	New Relic's Centurion	Spotify's Helios	All of the above	D
341	CNS stands for _____	Consumption Near Sweet-Spot	Continuous Network System	Compact Neural System	Compound Near Sweet-SpOT	A
342	systems used to track and identify the location of objects in real time	Geolocation	geographical information system (GIS)	Wireless Application Protocol (WAP)	Real-time location system (RTLS)	D
343	gateway to the Internet optimized for mobility	Voice portal	WiMax	Mobile enterprise	Mobile Portal	D
344	automatically identifying a Web user's location	Voice portal	Geolocation	sensor network	WiMax	B
345	Computing capabilities embedded into objects around us (mobile and stationary)	pervasive computing	ubiquitous computing (ubicom)	Context-aware computing	Geolocation	B
346	Computing capabilities embedded in the environment but typically not mobile	Mobile Portal	pervasive computing	Context-aware computing	Voice portal	B
347	Vehicle mount solutions • Handheld solutions • Hands-free and voice solutions	Mobile enterprise	Wireless wide area network (WWAN)	Typical Mobile Devices Used in Warehouses	Interactive voice response (IVR)	C
348	A collection of nodes capable of environmental sensing, local computation, and communication with its peers or with other higher performance nodes	Voice portal	Mobile Portal	Geolocation	sensor network	D

349	short-range radio frequency communication technology for remotely storing and retrieving data using devices called ___ tags and ___ readers	Network-based positioning	Real-time location system (RTLS)	radio frequency identification (RFID)	Wireless wide area network (WWAN)	C
350	a technology that offers Internet browsing from wireless devices	Real-time location system (RTLS)	Wireless wide area network (WWAN)	Wireless Local Area Network (WLAN)	Wireless Application Protocol (WAP)	D
351	delivery of m-commerce transactions to individuals in a specific location, at a specific time	Location-based m-commerce (I-commerce)	Context-aware computing	ubiquitous computing (ubicom)	Network-based positioning	A
352	Calculating the location of a mobile device from signals sent by the device to base stations	Personal Area Network (PAN)	terminal-based positioning	pervasive computing	Network-based positioning	B
353	a wireless technology, designed to provide Internet access across metro areas to fixed (not moving) users. It is considered wireless broadband technology	Voice portal	Mobile Portal	WiMax	Geolocation	C
354	a website with an audio interface that can be accessed through a telephone call	WiMax	Geolocation	Mobile Portal	Voice portal	D
355	a wireless version of the Ethernet networking standard	Wireless wide area network (WWAN)	Wireless Local Area Network (WLAN)	Personal Area Network (PAN)	Wireless Application Protocol (WAP)	B
356	computer system capable of integrating, storing, editing, analyzing, sharing, and displaying geographically referenced (spatial) information	Personal Area Network (PAN)	Interactive voice response (IVR)	Real-time location system (RTLS)	geographical information system (GIS)	D
357	a voice system enables users to request/receive info, enter/change data through a telephone to a computerized system	pervasive computing	Real-time location system (RTLS)	Personal Area Network (PAN)	Interactive voice response (IVR)	D
358	a telecommunications network that offers wireless coverage over a large geographical area, typically over a cellular phone network	Personal Area Network (PAN)	Wireless Application Protocol (WAP)	Wireless wide area network (WWAN)	Wireless Local Area Network (WLAN)	C
359	application of mobile computing inside the enterprise (e.g., for improved communication among employees)	sensor network	Mobile enterprise	Voice portal	Mobile Portal	B
360	a wireless telecommunications network for device-to-device connections within a very short range	Wireless wide area network (WWAN)	Personal Area Network (PAN)	Wireless Local Area Network (WLAN)	sensor network	B
361	ability to detect and react to a set of environmental variables that is described as context (which can be sensor info or users' attitudes)	Mobile Portal	Context-aware computing	pervasive computing	Network-based positioning	B
362	Which of the following is a specification for multicast discovery on a LAN?	WS-Agent	WS-Discovery	WS-SOAP	All of the mentioned	B
363						