BRAINWARE UNIVERSITY

Term End Examination 2021 - 22
Programme – Bachelor of Technology in Computer Science & Engineering
Course Name – Cloud Computing
Course Code - PEC-602A
(Semester VI)

Time allotted : 1 Hrs.25 Min.   **Full Marks : 70**

[The figure in the margin indicates full marks.]

Group-A

(Multiple Choice Type Question)   1 x 70=70

Choose the correct alternative from the following :

(1) Which of the following can be identified as cloud?
a) Web Applications   b) Hadoop
c) Intranet   d) All of these

(2) Cloud computing is an abstraction based on the notion of pooling physical resources and presenti ng them as a _____ resource.
a) Real   b) Cloud
c) Virtual   d) None of these

(3) A hybrid cloud combines multiple clouds where those clouds retain their unique identities but are bound together as a unit.
a) Public   b) Community
c) Private   d) Hybrid

(4) In this type of cloud, the cloud is composed of multiple internal or external cloud
a) Public   b) Private
c) Protected   d) Hybrid

(5) Applications that work with cloud computing that have low margins and usually low risk are ___ _____
a) High touch   b) Low touch
c) Moderate touch   d) None of these

(6) An internal cloud is
a) An overhanging threat   b) A career risk for a CIO
c) A cloud that sits behind a corporate firewall   d) The group of knowledge workers who use a social network for water cooler gossip

(7) Cloud computing is a _____ system
a) Stateless   b) Stateful
c) Reliable   d) None of these

(8) Which of the following cloud concept is related to pooling and sharing of resources ?
a) Polymorphism   b) Virtualization

c) Abstraction   d) None of these

(9) 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) Pervasiveness

b) Flexible pricing

c) Vertical scaling of application servers

d) Horizontal scaling of application servers

(10) What is one benefit of a cloud computing environment?

a) It reduces server performance

b) It minimizes network traffic to the virtual machines

c) It automatically transforms physical servers into virtual machines

d) None of these

(11) All cloud computing applications suffer from the inherent _____ that is intrinsic in their WAN connectivity.

a) Propagation

b) Latency

c) Noise

d) None of these

(12) Which of the following is one of the properties that differentiates cloud computing?

a) Scalability

b) Virtualization

c) Composability

d) All of these

(13) Which of the following initiative tries to provide a way of measuring cloud computing services along dimension like cost ?

a) CCE

b) OCCI

c) SMI

d) All of these

(14) Which of the following is the most widely used technique for abstraction?

a) Load balancing

b) Load scheduling

c) Load scaling

d) All of these

(15) Which of the following is a potent cloud-building technology?

a) vSphere

b) HyperCube

c) vCube

d) All of these

(16) A set of highly integrated machines that run same process in parallel is known to be

a) Tightly-Coupled

b) Loosely-Coupled

c) Space-Based

d) Peer-to-Peer

(17) 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

(18) What is a common trait of cloud architectures?

a) It dictates monolithic application design

b) It must use publicly accessible computing resources

c) A fixed set of computing resources is preallocated to each application

d) While in operation the application automatically scales up or down based on resource needs

(19) Interprocessor communication takes place via

a) Shared Memory

b) Message Passing

c) Centralized Memory

d) Both a and b

(20) HPC stands for

a) High-Peripheral Computing

b) High-Performance Computing

c) High-Parallel Computing

d) High-Peak Computing

(21) A computing paradigm in which all computer resources are centralized in one physical system is known to be

a) Centralized Computing

b) Parallel Computing

c) Distributed Computing

d) Cloud Computing

(22) A dynamic connection that grows into dynamic networks of networks, is called
   a) Cyber Cycle
   b) Internet of Things
   c) Cyber-Physical System
   d) Multithreading

(23) An architecture that creates virtualization of one single address space, is called
   a) Peer-to-Peer
   b) Space Based
   c) Tightly-Coupled
   d) Loosely-Coupled

(24) A paradigm of multiple autonomous computers, having a private memory, communicating through a computer network, is known as
   a) Distributed Computing
   b) Centralized Computing
   c) Cloud Computing
   d) Parallel Computing

(25) Which routing technique is used in a distributed system?
   a) Dynamic Routing
   b) Fixed Routing
   c) Virtual Routing
   d) All of these

(26) In distributed systems, link and site failure is detected by
   a) Polling
   b) Token Passing
   c) Handshaking
   d) None of these

(27) What is not a major reason for building distributed systems?
   a) Resource sharing
   b) Reliability
   c) Computation speed-up
   d) Simplicity

(28) Which of these techniques is vital for creating cloud computing centers?
   a) Virtualization
   b) Transubstantiation
   c) Cannibalization
   d) Insubordination

(29) Communication between services is done widely using _____ protocol.
   a) REST
   b) RESTful
   c) SOAP
   d) None of these

(30) What is the role of virtualization in cloud computing?
   a) It improves the performance of web applications
   b) It removes operating system inefficiencies
   c) It optimizes the utilization of computing resources
   d) It adds extra load to the underlying physical infrastructure and has no role in cloud computing

(31) _____ enables batch processing, which greatly speeds up high-processing applications.
   a) Scalability
   b) Elasticity
   c) Reliability
   d) Utility

(32) Which of the following is Type 2 VM?
   a) VirtualLogix VLX
   b) VMware ESX
   c) Xen
   d) LynxSecure

(33) Which of the following operating system support operating system virtualization?
   a) Windows NT
   b) Windows XP
   c) Sun Solaris
   d) Compliance

(34) What is the definition of provisioning as an automated process related to cloud computing?
   a) It moves data from one cloud to another
   b) It provides server consolidation capability
   c) It adds security constraints to a cloud environment
   d) It handles computing resource management processes

(35) _____ blurs the differences between a small deployment and a large one because scale becomes tied only to demand.
   a) Leading
   b) Virtualization
   c) Pooling
   d) None of these

(36) Which billing model is based on the packaging of computing resources (i.e. computation and storage) and the amount of those resources used?

a) Metered
b) Subscription
c) Recurring
d) Per user based

(37) The technology used to distribute service requests to resources is referred to as _____

a) Load performing
b) Load scheduling
c) Load balancing
d) All of these

(38) _____ virtualization abstracts networking hardware and software into a virtual network that can be managed.

a) Storage
b) Network
c) Software
d) None of these

(39) What are some challenges that existing data centers face as they move toward supporting cloud computing?

a) Acquiring new servers to support virtualization
b) Increased IT labor costs to manage the cloud environment
c) Greater energy consumption for the same load of applications
d) Storage capacity, data protection,and storage provisioning as instances accumulate and scale up

(40) Which is considered the most widely used cloud computing service?

a) IaaS
b) CaaS
c) SaaS
d) PaaS

(41) 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) Infrastructure as a service
c) Development as a service
d) Platform as a service

(42) Point out the correct statement.

a) SLAs is small aspect of cloud computing
b) Cloud computing does not have impact on software licensing
c) Cloud computing presents new opportunities to users and developers
d) All of these

(43) Which of the following is associated with considerable vendor lock-in?

a) PaaS
b) CaaS
c) SaaS
d) IaaS

(44) Applications such as a Web server or database server that can run on a virtual machine image are referred to as _____

a) Virtual server
b) Virtual appliances
c) Machine imaging
d) All of these

(45) Which of the following can be considered PaaS offering ?

a) Google Maps
b) Gmail
c) Google Earth
d) All of these

(46) The most commonly used set of protocols uses _____ as the messaging format.

a) XML
b) BSON
c) JSON
d) All of these

(47) _____ is a function of the particular enterprise and application in an on-premises deployment.

a) Vendor lock
b) Vendor lock-in
c) Vendor lock-ins
d) None of these

(48) Which refers to the practice of a primary cloud provider offering services that are distributed through another cloud provider?

a) Hybrid cloud
b) Composite cloud
c) Grid computing
d) Virtualization

(49) Which of the following language is used to manage transactions?

a) WSDL

b) XML

c) SOAP

d) None of these

(50) Which of the following algorithm is used by Google to determine the importance of a particular page?

a) SVD

b) Page Rank

c) FastMap

d) All of these

(51) Which of the following is the IaaS service provider?

a) EC2

b) EC10

c) EC1

d) Hybrid

(52) These cloud services are of the form of utility computing i.e. the _____ uses these services p ay-as-you-go model.

a) Cloud providers

b) Clients

c) End users

d) Cloud users

(53) Virtual Machine Ware(VMware) is an example of

a) Infrastructure service

b) Platform service

c) Software service

d) None of these

(54) Saas stands for?

a) Software as a service

b) Software as a system

c) System software and services

d) System as a service

(55) Which of the following provider rely on virtual machine technology to deliver servers ?

a) CaaS

b) AaaS

c) PaaS

d) IaaS

(56) A service provider reselling an ____ may have the option to offer one module to customize the in formation.

a) CaaS

b) PaaS

c) AaaS

d) SaaS

(57) Which of the following is classic example of an IaaS service model ?

a) AWS

b) Azure

c) Cloudera

d) All of these

(58) The three different service models is together known as the _____ model of cloud computing.

a) CPI

b) SPI

c) SIP

d) MOC

(59) Which of the following lets a Web service advertise itself in terms of a collection of endpoints?

a) WSDL

b) VMc

c) SOAP

d) All of these

(60) SaaS supports multiple users and provides a shared data model through _____ model.

a) Single-tenancy

b) Multi-tenancy

c) Multiple-instance

d) All of these

(61) What advantage do flexible pricing models provide to customers of a public cloud?

a) They provide customers with unlimited bandwidt h

b) They enable customers to pay only for what they use

c) They provide customers with unlimited storage in the cloud

d) They allow the customers to dynamically increase capacity without additional cost

(62) Which customer scenario best fits a deployment on a public cloud?

a) A customer whose IT infrastructure is underutiliz ed

b) A customer who deals with highly sensitive user i nformation

c) A customer who does not have the IT infrastructu re to handle variable system load

d) A customer who is not too concerned about securi ty control over their data, and the system load is a

(63) Which of the following is required by Cloud Computing?

a) That you establish an identity
b) That the identity be authenticated
c) That the authentication be portable
d) All of these

(64) Most of the cloud architectures are built on this type of architecture.

a) Skeleton
b) Linear
c) Grid
d) Template

(65) What is used to logically assign and separate physical resources such as memory and CPU in a cloud computing model?

a) Bios
b) A blade chassis
c) A hypervisor
d) A load balancer

(66) What is Google App Engine for?

a) Google App Engine is for detecting malicious apps
b) Google App Engine is for running web applications on Google's infrastructure
c) Google App Engine replaces the modern computer
d) Google App Engine is a system to develop hardware interfaces

(67) Azure Storage plays the same role in Azure that _____ plays in Amazon Web Services.

a) S3
b) EC2
c) EC3
d) All of these

(68) Which of the following service that provides offline access to online data?

a) Gears
b) Blogger
c) Offline
d) All of these

(69) HTC stands for

a) High-turning computing
b) High-tabulation computing
c) High-technology computing
d) High-throughput computing

(70) Grid and cloud platforms are regarded as

a) Parallelized Services
b) Innovative Services
c) Utility Service Providers
d) Cyber Services